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Some monthly periodicals will have to have more than one December issue (designated December 1983 [1], December 1983 [2], etc.). Once the bulk of the data in these periodicals is vintage January 1984, the periodical will be dated January 1984. In the case of the Monthly Energy Review, for example, there will be three "December 1983" issues; the January 1984 issue will be published in April. Other monthly periodicals will follow similar procedures.

Petroleum Supply Monthly



December 1983 [1]

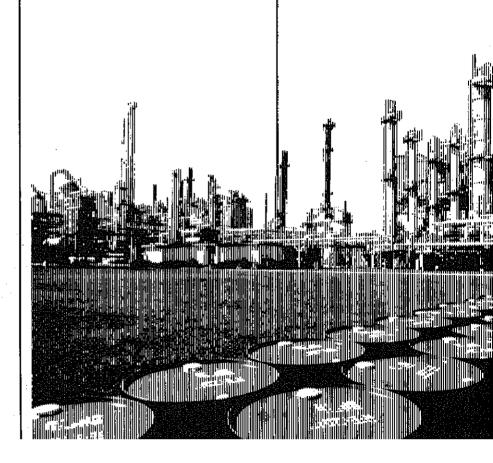
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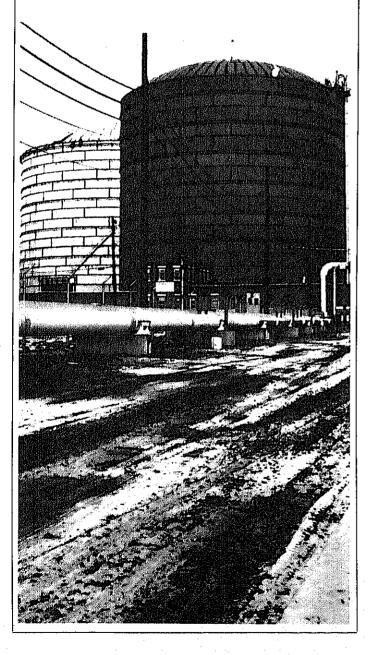
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This issue of the Petroleum Supply Monthly features a discussion of the National Petroleum Council's new estimates of minimum operating inventory levels and primary storage capacities for crude oil and selected refined petroleum products. The article, "National Petroleum Council Revises Minimum Operating Inventory Estimates," begins on page ix and compares the new estimates with previous levels. The article also summarizes major factors identified by the Council as contributing to observed changes in inventory levels.



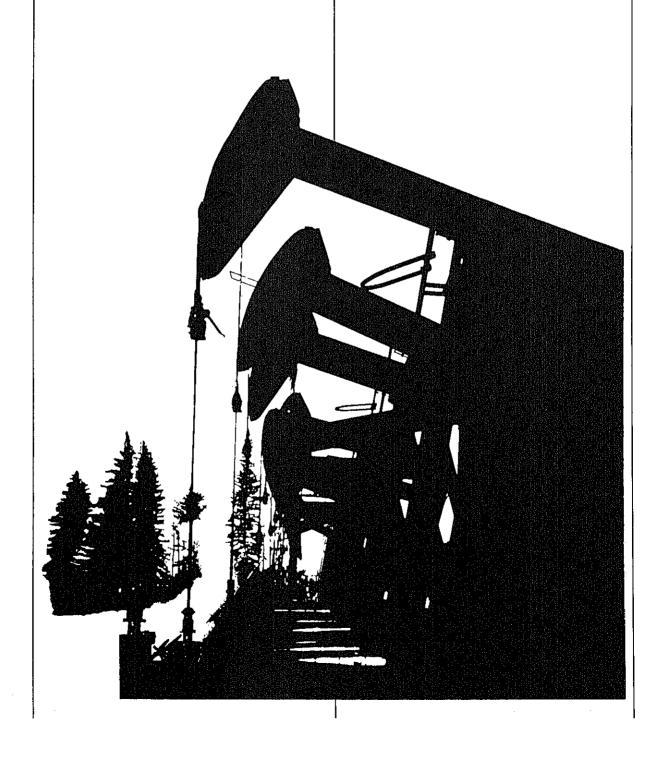
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Petroleum Focus



Petroleum Supply Summary

		November			Cumulative January Through November			
Average Volume for Period		1	%					
(Million Barrels Per Day)	1983	1982	Change	1983	1982	Change		
Total Product Supplied	15.3	15.0	1.9	15.0	15.3	- 1.7		
Motor Gasoline	6.6	6.6	1.1	6.6	6.5	0.9		
Distillate Fuel Oil	2.8	2.5	15.1	2.6	2.7	- 1.4		
Residual Fuel Oil	1.3	1.6	- 18.9	1.4	1.7	- 20.0		
Crude Inputs to Refineries Crude Oil and Natural Gas	11.9	11.7	1.8	11.7	11.8	- 0.8		
Liquids Production	10.2	10.3	- 0.8	10.2	10.2	0.3		
Net Imports ¹	4.5	5.0	- 9.0	4.2	4,3	- 2.5		
Net Crude Oll Imports ²	3.0	3.4	- 10.9	2.9	3.1	- 6.8		
SPR Imports	0.1	0.2	- 42.8	0.2	0.2	36.7		
Net Product Imports	1.4	1.4	0.2	1.1	1.1	4.2		
Crude Oil Stock Withdrawai ²	0.14	- 0.22	_	0.01	0.02			
Product Stock Withdrawal	- 0.21	- 0.36		0.06	0,25	_		
Stocks at End of Period (Million Barrels)		<u> </u>				W		
Crude Oll²	349	358	NM	A ATTENDED.		···		
Motor Gasoline ³	231	230	NM					
Distillate Fuel Oli	162	186	NM					
Residual Fuel Oil	_51	66	NM					
Total Product	777	808	NM					
SPR	371	290	28.0					
Total	1,497	1,455	NM					

^{&#}x27;Gross imports of crude oil including Strategic Petroleum Reserve (SPR) and petroleum products less exports of crude oil and petroleum products.

*Excluding SPR.

NM = Not meaningful due to new stock basis.

Note: Percent changes are based on unrounded values. November 1983 data are estimates based on weekly data, except for export and Natural Gas Liquids Production estimates which are October 1983 monthly values. Totals may not be equal to sum of components to the state of t nents due to independent rounding.

Source: Energy Information Administration, Petroleum Supply Monthly, December 1983.

³including blending components.



National Petroleum Council Revises Minimum Operating Inventory Estimates

At the request of the Secretary of Energy, the National Petroleum Council (NPC) has developed revised estimates of minimum operating inventories and storage capacities for crude oil and selected refined petroleum products.¹ This article presents these newest estimates, compares them with previous levels, and summarizes the major factors identified by the NPC as contributing to observed changes in total inventory levels.

The NPC presented its findings last month in *Petroleum Inventories and Storage Capacity—An Interim Report.* This report focuses on inventories maintained within the primary petroleum distribution system, i.e., at refineries and bulk terminals, and in pipelines. Copies of the report are available from the NPC.* A final report, extending the analysis to the secondary (or local) distribution system and the tertiary (or consumer) segment of the market, is scheduled for release in the spring of 1984.

Minimum Operating Inventories

The minimum operating inventory (MOI) is defined as the inventory level below which operating problems and shortages would begin to appear in a defined distribution system. In presenting its revised MOI estimates, the NPC stresses that the MOI is a concept rather than a precisely measurable quantity. This limitation aside, the NPC analysis indicates that MOI's associated with the primary distribution system have declined from levels estimated in a 1979 NPC report.² This decline parallels the decline in total primary inventories reported to the Energy Information Administration over this period. MOI estimates from the 1979 and 1983 studies are compared in Table 1.

Table 1. Minimum Operating Inventory Estimates (Million Barrels)

	1979		1983	
	Total U.S.	PAD District I-IV	PAD District V	Total U.S.
Crude Olla	290	215	b70	285
Motor Gasoline	210	176	24	200
Kerosene Kero-Jet Fuel	°35	5 20	(⁸) 5	5 25
Distillate Fuel Oil	125	97	8	105
Residual Fuel Oil Total Crude Oil and	60	34	6	40
Products Surveyed	720	547	113	660

^aCrude oil stored in the Strategic Petroleum Reserve is not counted in the MOI.

(s)Less than 0.5 million barrels.

Source: National Petroleum Council.

The NPC study was directed by the NPC Committee on Petroleum Inventories and Storage Capacity. MOI estimates for the study were developed through a decision-making process that relied on the judgment of Committee members based on their operating experience, on historical inventory trends, and on the results of an NPC survey of companies that also provide primary inventory data to the Energy Information Administration. The NPC survey requested company-wide information on total inventories, minimum operating inventories, active and idle storage capacity, and maximum operating inventories. Survey results, aggregated by Petroleum Administration for Defense (PAD) Districts are presented in an appendix to the report.

The NPC identified structural changes in the distribution system caused by the shutdown of some reflnery, pipeline, and tankage capacity as the most important reason for the decline in MOI's. These structural changes represent a response to declining petroleum demand, fostered in turn by a decrease in general economic growth, a significant increase in the price of petroleum, and consumer conservation and fuel switching. The MOI, however, is a dynamic rather than static concept, and MOI estimates will continue to change over time in response to factors affecting the industry.

Total Primary Inventories

The NPC also identified several reasons for the decline in total petroleum inventories since its 1979 study. First, the NPC identified lower product demand as the major reason for the reduction in stocks over this period. Declining demand was induced by higher prices and conservation. Second, the NPC noted that, with declining U.S. petroleum imports, concern about the short-term security of world crude oil supplies has eased, and the need for precautionary stocks held above the MOI has diminished. Third, higher petroleum prices and interest rates increased the real costs of storing product, providing further incentive for firms to lower their inventory levels. For example, gasoline storage costs increased from an average of 10 cents per gallon per year in 1978 to 21 cents per gallon per year in 1982. Finally, downward price expectations in the spring of 1983 may have motivated some short-term stock drawdown.

bAll Alaskan crude oil in transit by water is included in PAD District V.

Kerosene and Kero-Jet Fuel were combined in the 1979 NPC report.

¹The National Petroleum Council serves as an advisory committee to the Secretary of Energy for the study of specific issues. The Council is subject to the provisions of the Federal Advisory Committee Act of 1972.

²National Petroleum Council, Petroleum Storage and Transportation Capacities, Volume II, Inventory and Storage, Washington D.C. 1979.

ton, D.C., 1979.

The National Petroleum Council estimated storage costs as the sum of the fee for commercial storage space and the economic cost of holding product—estimated, in turn, as the short-term interest rate times the wholesale price of the product

^{*}To order, write to the National Petroleum Council, 1625 K St., N.W. Washington, D.C. 20006.

Table 2 presents inventory levels evaluated in the 1979 and 1983 NPC reports. These data represent stocks on hand for the fall and spring to indicate the seasonality of product storage.

Table 2. U.S. Inventory of Crude Oil and Selected Refined Products (Million Barrels)

	March 31, 1 9 78	March 31 1983 ^a
Crude Oil ^b	345.5	358.2
Motor Gasoline	259.6	223.9
Kerosene	11.9	8.9
Kero-Jet Fuel	26.2	34.9
Distillate Fuel OII	137.8	118.7
Residual Fuel Oil Total Crude Oil and	62.4	46.3
Products Surveyed	843.3	790.9
	Sept. 30, 1978	Sept. 30, 1982
Crude Oil ^b	321.2	340.7
Motor Gasoline	216.5	233.6
Kerosene	16.1	9.8
Kero-Jet Fuel	29.3	33.3
Distillate Fuel Oil	220.7	161.2
Residual Fuel Oll Total Crude Oll and	81.3	61.7
Products Surveyed	885.1	840.5

alnoludes resubmissions to the Energy Information Administration as of August 10, 1983.

bExcludes Strategic Petroleum Reserve storage.

Note: Totals may not equal sum of components due to independent rounding.

Source: Data reported to the Energy Information Administration on Forms EIA-810-813 in 1983, Forms EIA-87-90 in 1982, and Forms FEA-P320-P323 in 1978.

Although the NPC survey results were not adequate to quantify the amount by which current inventory levels are influenced by the presence of spare crude oil distillation capacity in the Nation's refineries, the Committee expressed its belief that this spare capacity is a factor in the observed decrease in inventory levels. For example, it was noted that month-to-month variations in distillate and residual fuel oil stocks are exhibiting less seasonality than in past years. The growth of the Strategic Petroleum Reserve and the development of petroleum futures markets, however, are not believed to be influencing primary inventory decisions.

Primary Storage Capacity

The NPC survey was designed to collect information on the operating limits of the primary distribution system. An upper limit on storage—the maximum quantity that can be stored without disrupting operation of the distribution system—is referred to as the maximum operating inventory. But, because the limits of the distribution system have not been tested on an industry-wide basis, the Committee did not estimate current maximum operating inventory levels. NPC data on tank capacity, however, is useful for indicating recent trends in storage capabilities. Summary data on active tankage from the 1979 and 1983 NPC surveys are presented in Table 3.

Table 3. Shell Capacity of Active Tankage (Million Barrels)

	March 31, 1978	March 31, 1983
Crude Oila	b462	504
Gasoline	464	458
Kerosene Kero-Jet Fuel	c86	21 68
Distillate Fuel Oil	336	297
Residual Fuel OII Total Crude OII and	156	144
Products Surveyed	1,504	1,492

^{*}Excludes Strategic Petroleum Reserve storage.

Source: National Petroleum Council.

Tankage in operation reported for 1983 is below the 1978 level. Three primary reasons for this decline were noted:

- A reduction in crude oil and product demand caused refinery and terminal shutdowns and tankage consolidation.
- Tankage that was not retrofitted to meet environmental regulations was removed from service.
- · Physical deterioration of tankage occurred.

The growth in crude oil storage capacity represents the activation of the Louisiana Offshore Oil Port and the net addition of tankage at refineries and terminals. Concerns about the security of supply in 1979 and 1980 may have prompted construction of crude oil tankage or conversion of product storage to crude oil storage.

Total tank utilization in 1983 was only 40 percent, compared with a 35-year average of 46 percent. The Committee reported that additional storage deactivation is expected in the near future, which would tend to return the percentage utilization figure closer to the historical average.

bData for September 30, 1978.

Kerosene and Kero-Jet Fuel were combined in the 1979 NPC report.

Conclusions

Minimum operating inventory estimates prepared periodically by the National Petroleum Council are of great value in assessing the adequacy of total inventories to accommodate a disruption of petroleum supplies or surges in demand (related, for example, to severe weather). To place current inventory statistics in perspective, the Energy Information Administration has presented the Council's 1979 MOI estimates in its Weekly Petroleum Status Report (WPSR) for the last 3 years. Beginning with the November 17, 1983 issue, the WPSR presents the Council's latest MOI estimates.

As the NPC report notes, the MOI is not a static figure—It changes with those factors influencing the industry structure. Thus, primary inventories for distillate

and residual fuel oils have recently fallen substantially below the MOI's established for those fuels in the 1979 NPC inventory study, with no occurrence of distribution problems. That these MOI figures were clearly out of date prompted, in part, the Secretary of Energy's request for revised estimates. Industry conditions influencing MOI's, however, are still in a state of flux. Residual fuel oil MOI's, in particular, continue to respond to decreased economic activity, fuel switching, and changing import levels. Accordingly, increasing care should be exercised over time in utilizing the 1983 MOI estimates presented in this article.

The new NPC inventory study contains additional valuable information on how the revised MOI estimates were derived and on how current inventory data can best be interpreted in light of these new estimates.

Summary Statistics

		F	field Production	on 	Stock W	ithdrawal ²		Ending Stocks ³
		Total Domestic ⁴	Crude Oil	Natural Gas Plant Production	Crude Oil ⁵	Petroleum Products	Petroleum Products Supplied	Crude Oil ⁵ and Petroleum Products
···				Thousand Ba	rrels per Day			Million Barrels
1973	AVERAGE	10,975	9,208	1,738	11	-146	17,308	1,008
1974 1975	AVERAGE	10,498	8,774	1,688	-62	-117	16,653	6 1,074
1975	AVERAGE	10,045	8,375	1,633	~17	-145	16,322	1,133
	AVERAGE	9,774	8,132	1,603	-39	96	17,461	1,112
1977	AVERAGE	9,913	8,245	1,618	-170	-378	18,431	1,312
1978	AVERAGE	10,328	8,707	1,567	-78	172	18,847	1,278
1979	AVERAGE	10,179	8,552	1,584	-148	-25	18,513	1,341
1980	AVERAGE	10,214	8,597	1,573	-98	-42	17,056	6 1,392
	January	10,231	8,540	1,652	50	1,159	18,430	1,388
	February	10,294	8,604	1,653	-278	250	16,989	
	March	10,272	8,613	1,624	-632	224	15,907	1,389
	April	10,195	8,557	1,599	-595	148	15,350	1,401
1	May	10,160	8,501	1,593	-391	-374	15,353	1,415
	June	10,287	8,629	1,594	-135	406	16,095	1,438
,	July	10,098	8,500	1,548	-360	91		1,430
	August	10,243	8,583	1,614	397	-999	15,682	1,439
;	September	10,281	8,604	1,612	-285	-341	15,263	1,457
	October	10,225	8,563	1,598	-760	477	15,655	1,476
ľ	November	10,269	8,586	1,630	-325		15,822	1,485
- (December	10,220	8,585	1,590	-170	-233	15,593	1,501
	AVERAGE	10,230	8,572	1,609	-290	745 130	16,596 16,058	1,484
1982	January	10,128	8,509	1 670	404		,	
	ebruary	10,312	8,702	1,578	-401	1,298	16,124	1,456
	March	10,284	8,667	1,563	-242	1,230	16,001	1,428
	\pril	10,188		1,572	121	1,047	15,560	1,392
	/lay	10,188	8,591	1,542	-37	1,583	16,046	1,346
	lune	10,212	8,683	1,518	29	-66	14,847	1,347
	luly	10,229	8,646	1,511	40	-489	14,998	1,360
	lugust	10,215	8,658	1,513	-147	-926	14,821	1,393
	September	•	8,634	1,524	-440	-44	14,839	1,408
	October	10,279 10,299	8,701	1,518	263	-447	15,022	1,414
	lovember		8,701	1,530	-548	-47	14,859	1,432
		10,359	8,697	1,609	-398	-361	15,009	1,455
	ecember	10,276	8,598	1,628	128	688	15,487	6 1,430
	AVERAGE	10,252	8,649	1,550	-136	283	15,296	.,
1983 J		10,356	8,634	1,668	-567	865	14,765	4 450
	ebruary	10,298	8,660	1,585	-382	1,128	14,772	1,453 1,432
	larch	10,259	8,677	1,544	56	1,765	15,484	
	pril	10,229	8,686	1,502	-438	431		1,375
	lay	10,231	8.682	1,483	68	-759	14,779	1,376
	ıne	10,262	8,676	1,514	-163	-759 -242	14,250	1,397
Jı	ıly	10,237	8,647	1,536	118		15,281	1,409
	ugust	10,257	8,653	1,561	-781	-922	14,913	1,434
	eptember	10,323	8,666	1,598		-289	15,366	1,467
	ctober*	10,317	8,654	1,604	-191 P 100	-634	15,396	_ 1,492
	ovember**	NA NA	8,624	1,604 NA	R -180	R -456	R 14,947	R 1,512
	VERAGE	NA.	8,660	NA NA	8	-209	15,289	1,497
_			0,000	IVA	-222	55	15,022	

Includes lease condensate.

Stocks are totals as of end of period.

Totals may not equal sum of components due to independent rounding.

See Explanatory Note 9.1.

Geographic coverage: The 50 United States and the District of Columbia.

A negative number indicates an increase in stocks and a positive number indicates a decrease.

Includes crude oil, natural gas plant production, other hydrocarbons and alcohol.

Includes crude oil, natural gas plant production, other hydrocarbons and alcohol. Includes stocks located in the Strategic Petroleum Reserve.

In January 1975, 1981, and 1983, significant numbers of new respondents were added to bulk terminal and pipeline surveys as a result of extensive investigation during the previous years. The major impact is on the reporting of stocks and stock withdrawals. Using the expanded coverage (new basis), end of year stocks would be: 1974-1,121, 1980-1,420 and 1982-1,462. Stock withdrawals during 1975, 1981 and 1983 are calculated using new basis stock levels.

NA = Not available. R = Revised data.

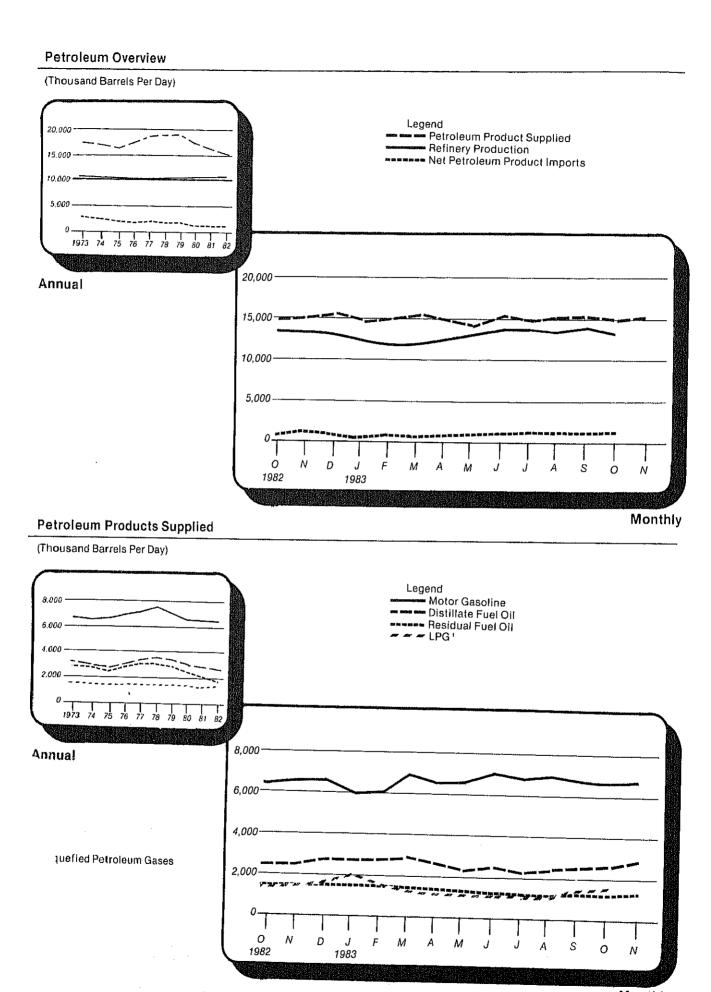
^{**} Italics denote preliminary data. See Explanatory Note 8.

Sources: See "Sources" at the end of this section.

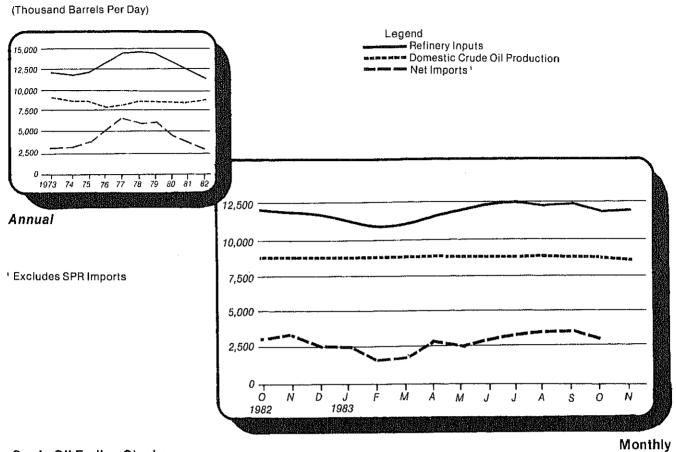
Crude Oil¹ and Petroleum Products Overview (continued)

		Imports									
		Total	Crude Oll ²	Petroleum Products	Total	Crude Oil	Petroleum Products	Net ³ Imports			
		Thousand Barrels per Day									
973	AVERAGE	6,256	3,244	3,012	231	2	229	6,025			
1974	AVERAGE	6,112	3,477	2,635	221	3	218	5,892			
975	AVERAGE	6,056	4,105	1,951	209	6	204	5,846			
976	AVERAGE	7,313	5,287	2,026	223	8	215	7,090			
977	AVERAGE	8,807	6,615	2,193	243	50	193	8,565			
978	AVERAGE	8,363	6,356	2,008	362	158	204	8,002			
1979	AVERAGE	8,456	6,519	1,937	472	235	237	7,984			
980	AVERAGE	6,909	5,263	1,646	544	287	25B	6,365			
	,,,_,,,,	•		·							
981	January	6,827	4,932	1,895	558	339	219	6,270			
	February	6,772	4,873	1,899	569	198	371	6,203			
	March	6,028	4,521	1,507	586	210	376	5,442			
	April	5,668	4,338	1,330	570	198	372	5,098			
	May	5,775	4,287	1,489	595	312	283	5,180			
	June	5,435	4,061	1,375	420	123	297	5,015			
	July	5,816	4,296	1,521	571	257	314	5,245			
	August	5,767	4,179	1,588	644	204	440	5,123			
	September	6,365	4,740	1,624	519	194	325	5,845			
	October	5,959	4,380	1,579	738	226	512	5,221			
	November	5,741	4,046	1,695	701	278	423	5,041			
	December	5,843	4,137	1,706	656	189	467	5,187			
	AVERAGE	5,996	4,396	1,599	595	228	367	5,401			
					200	000	591	4,503			
982	January	5,332	3,693	1,639	829	238					
	February	4,807	2,990	1,817	804	304	499	4,003			
	March	4,484	2,874	1,610	882	321	561	3,602			
	April	4,378	2,849	1,529	786	174	611	3,593			
	May	4,811	3,309	1,503	803	262	542	4,008			
	June	5,327	3,836	1,491	703	94	609	4,624			
	July	5,890	4,248	1,642	741	229	512	5,149			
	August	5,244	9,851	1,392	858	304	554	4,386			
	September	5,414	3,636	1,778	791	184	606	4,624			
	October	5,306	3,670	1,636	932	270	662	4,374			
	November	5,744	3,862	1,882	786	262	524	4,958			
	December	4,606	3,000	1,605	860	193	667	3,746			
	AVERAGE	5,113	3,488	1,625	815	236	579	4,298			
4000	lanuan:	4 070	0.000	1,434	973	117	856	3,399			
1983	January	4,372	2,938		865	262	603	2,825			
	February	3,691	2,268	1,423 1,398	801	174	627	2,829			
	March	3,629	2,232		809	88	721	3,935			
	April	4,744	3,154	1,590		280	568	4,049			
	May	4,898	3,234	1,664	848		630	4,443			
	June	5,218	3,502	1,716	774	144					
	July	5,690	3,868	1,822	571	145	426 404	5,119 5,273			
	August	6,036	4,174	1,863	663	172	491	5,373			
	September	6,088	4,221	1,867	684	177	507	5,403			
	October*	R 5,256	R 3,446	R 1,810	576	140	436	4,680			
	November**	5,088	3,290	1,797	NA	NA	NA	NA			
	AVERAGE	4,981	3,309	1,673	NA	NA	NA	NA			

Includes lease condensate.
 Includes crude oil for storage in the Strategic Petroleum Reserve.
 Net Imports = Imports minus Exports.
 Totals may not equal sum of components due to independent rounding.
 NA = Not available. R = Revised data.
 See Explanatory Note 9.1.
 Italics denote preliminary data. See Explanatory Note 8.
 Geographic coverage: The 50 United States and the District of Columbia.
 Sources: See "Sources" at the end of this section.

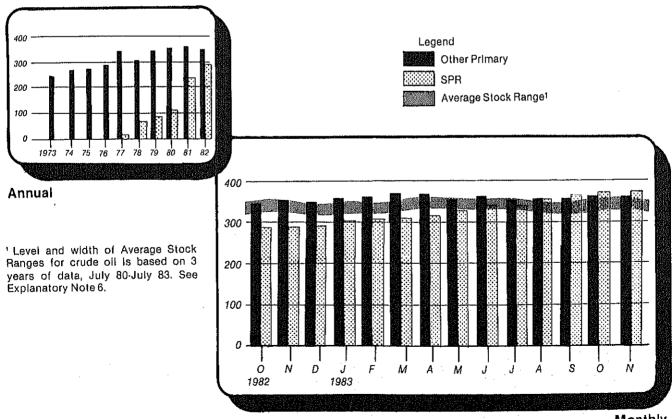


Crude Oil Supply and Disposition





(Millions of Barrels)



				Su	ipply			
	Field Pro	oduction	Imports Stock Withdrawal ²					
	Total Domestic	Alaskan	Total	SPR ³	Other	SPR ³	Other	Unac- counted for Crude Oli
			7	housand B	arreis per Da	у		<u> </u>
1973 AVERAGE	9,208	198	3,244		3,244		11	3
1974 AVERAGE	8,774	193	3,477		3,477		-62	-25
1975 AVERAGE	8,375	191	4,105		4,105		-17	17
1976 AVERAGE	8,132	173	5,287		5,287		-39	
1977 AVERAGE	8,245	464	6,615	21	6,594	-20		77
1978 AVERAGE	8,707	1,229	6,356	162			-150	~6
1979 AVERAGE	8,552	1,401	6,519	67	6,195	-163	84	-57
1980 AVERAGE	8,597	1,617			6,452	-67	-81	-11
	0,037	1,017	5,263	44	5,219	-45	-52	34
1981 January	8,540	1,606	4,932	106	4,826	-151	201	113
February	8,604	1,619	4,873	80	4,793	-127	-150	-41
March	8,613	1,618	4,521	140	4,382	-155	-130 -477	
April	8,557	1,608	4,338	272	4,066	-444		154
May	8,501	1,580	4,287	386			-151	51
June	8,629	1,632	4,061		3,901	-513	122	286
July	8,500	1,605		318	3,743	-434	299	49
August	8,583		4,296	175	4,121	-324	-36	147
September		1,602	4,179	257	3,922	-372	769	16
October	8,604	1,607	4,740	435	4,305	-486	201	-295
	8,563	1,596	4,380	453	3,927	-501	-259	166
November	8,586	1,614	4,046	271	3,774	-259	-66	279
December	8,585	1,623	4,137	165	3,971	-252	82	52
AVERAGE	8,572	1,609	4,396	256	4,141	-336	46	83
982 January	8,509	1,705	3,693	170	3,523	-159	040	404
February	8,702	1,707	2,990	159	2,830	-213	-242	101
March	8,667	1,696	2,874	185			-29	156
April	8,591	1,691	2,849		2,689	-235	357	2
May	8,683	1,707		190	2,659	-233	196	231
June	8,646		3,309	204	3,105	-176	205	111
July		1,665	3,836	105	3,732	-105	144	133
•	8,658	1,710	4,248	97	4,150	-97	-50	-20
August	8,634	1,697	3,851	208	3,643	-208	-232	189
September	8,701	1,705	3,636	139	3,497	-143	406	-210
October	8,701	1,706	3,670	216	3,454	-216	-332	249
November	8,697	1,676	3,862	180	3,683	-179	-219	-124
December	8,598	1,682	3,000	124	2,877	-125	252	35
AVERAGE	8,649	1,696	3,488	165	3,323	-174	38	71
983 January	8,634	1,698	2,938	040	0.700	0.10		
February	8,660	1,725		219	2,720	-219	-348	238
March	8,677		2,268	197	2,071	-197	-185	423
April	8,686	1,726	2,232	201	2,031	-184	240	134
May		1,710	3,154	205	2,949	-197	-241	191
June	8,682	1,710	9,234	289	2,945	-293	362	148
	8,676	1,710	3,502	190	3,312	-188	25	480
July	8,647	1,705	3,868	274	3,594	-264	382	-74
August	8,653	1,712	4,174	350	3,823	-358	-423	333
September	8,666	1,722	4,221	309	3,912	-307	116	
October*	8,654	1,731	R 3,446	R 202	R 3,244	R -201	R 21	~6
November**	8,624	1,713	3,290	103	3,187	-127		69
AVERAGE	8,660	1,715	3,309	231			135	NA
•		-,	0,000	20 (3,077	-231	9	NA

i Includes lease condensate.

Includes lease condensate.

A negative number indicates an increase in stocks and a positive number indicates a decrease.

Strategic Petroleum Reserve.

Totals may not equal sum of components due to independent rounding.

NA = Not available. R = Revised data.

See Explanatory Note 9.2.

^{**} Italics denote preliminary data. See Explanatory Note 8.

Note: Stock withdrawals during 1975, 1981, and 1983 are calculated using new basis stock levels. Geographic coverage: The 50 United States and the District of Columbia.

Sources: See "Sources" at the end of this section.

		Supply		Dispo	sition		Er	ding Stock	3 ²
		Crude Used Directly ³	Crude Losses	Refinery Inputs	Exports	Products Supplied ³	Total Crude Oll	SPR4	Other Primary
			Thouse	and Barrels p	er Day		М	lition Barrel	S
1973	AVERAGE	-19	13	12,431	2	NA	242		242
1974	AVERAGE	-15	13	12,133	3	NA	⁵ 265		⁵ 265
1975	AVERAGE	-17	13	12,442	6	NA	271		271
1976	AVERAGE	-18	15	13,416	8	NA	285		285
1977	AVERAGE	-14	16	14,602	50	NA	348	7	340
1978	AVERAGE	-14	16	14,739	158	NA	376	67	309
1979	AVERAGE	-13	16	14,648	235	NA	430	91	339
1980	AVERAGE	-13	15	13,481	287	NA	⁵ 466	108	⁵ 358
1981	January	-43	6	13,247	339	NA	486	112	374
	February	-55	3	12,902	198	NA	494	116	378
	March	-57	6	12,383	210	NA	514	121	393
	April	-59	3	12,091	198	NA	532	134	397
	Мау	-59	3	12,309	312	NA	544	150	394
	June	-58	7	12,415	123	NA	548	163	385
	July	-58	7	12,261	257	NA	559	173	386
	August	-58	5	12,908	204	NA	547	185	362
	September	61	4	12,505	194	NA	555	199	356
	October	-63	3	12,057	226	NA	579	215	3 6 4
	November	-64	4	12,240	278	NA	589	223	366
	December	-63	. 4	12,349	189	NA	594	230	363
	AVERAGE	-58	5	12,470	228	NA			
1982	January	-63	3	11,599	238	NA	606	235	371
	February	-64	2	11,236	304	NA	613	241	372
	March	63	5	11,276	321	NA	609	249	361
	April	-65	3	11,392	174	NA	610	256	355
	May	-62	3	11,806	262	NA	609	261	348
	June	-60	7	12,494	94	NA	608	264	344
	July	-60	3	12,446	229	NA	613	267	346
	August	-57	2	11,871	304	NA	626	274	353
	September	-56	4	12,146	184	NA	619	278	341
	October	-51	2	11,749	270	NA	636	285	351
	November	-51	1	11,724	262	NA	648	290	358
	December	-53	1	11,514	193	NA	5 644	294	5 350
	AVERAGE	-59	3	11,774	236	NA			
1983	January	NA	2	11,070	117	54	661	301	361
	February	NA	3	10,635	262	69	672	306	3 6 6
	March	NA	2	10,854	174	70	670	312	359
	April	NA	2	11,436	88	68	684	318	366
	May	NA	1	11,789	280	63	681	327	355
	June	NA	1	12,287	144	64	686	332	354
	July	NA	2	12,347	145	65	683	341	342
	August	NA	1	12,141	172	64	707	352	355
	September	NA	1	12,445	177	66	713	361	352
	October*	NA	. 1	R 11,784	140	63	R 718	R 367	R 351
	November**	NA	NA	11,939	NA	NA	720	<i>371</i>	349
	AVERAGE	NA	NA	11,708	NA	NA			•

¹ Includes lease condensate.

Totals may not equal sum of components due to independent rounding.

NA = Not available. R = Revised data.

Geographic coverage: The 50 United States and the District of Columbia.

² Stocks are totals as of end of period.

³ Beginning in January 1983, crude oil used directly as fuel is presented as product supplied for crude oil, Prior to January 1983 crude oil used directly was included with crude oil losses in this table and with product supplied for distillate and residual fuel oils.

⁴ Strategic Petroleum Reserve.

In January 1975, 1981, and 1983, significant numbers of new respondents were added to bulk terminal and pipeline surveys as a result of extensive investigation during the previous years.

The major impact is on the reporting of stocks and stock withdrawals. Using the expanded coverage (new basis) end of year stocks would be: 1974-265, 1980-483 (Total) and 375 (Other Primary), and 1982-644 (Total) and 350 (Other Primary).

See Explanatory Note 9.2.

^{**} Italics denote preliminary data. See Explanatory Note 8.

Sources: See "Sources" at the end of this section.

						Imports fro	m OPEC	Sources1				
		Algeria	Libya	Saudi Arabia	United Arab Emirates	Indo- nesla	Iran	Nigeria	Vene- zuela	Other OPEC ²	Total OPEC	Total Arab OPEC ³
						Thousand	d Barrels	per Day				
1973	AVERAGE	136	164	486	71	213	223	459	1,135	106	2,993	915
1974	AVERAGE	190	4	461	74	300	469	713	979	88	3,280	752
1975	AVERAGE	282	232	715	117	390	280	762	702	122	3,601	1,383
1976	AVERAGE	432	453	1,230	254	539	298	1,025	700	134	5,066	2,424
1977	AVERAGE	559	723	1,380	335	541	535	1,143	690	287	6,193	3,185
1978	AVERAGE	649	654	1,144	385	573	555	919	645	226	5,751	2,963
1979	AVERAGE	636	658	1,356	281	420	304	1,080	690	212	5,637	3,056
1980	AVERAGE	488	554	1,261	172	348	9	857	481	130	4,300	2,551
	anuary	341	500	1,284	93	424	0	908	549	27	4,127	2,219
	ebruary	381	468	1,122	93	406	0	866	463	92	3,891	2,064
	larch	352	485	1,027	47	328	0	771	360	54	3,425	1,912
	pril	263	485	1,034	68	307	0	812	237	39	3,245	1,867
	lay	393	443	933	17	297	0	664	331	124	3,203	1,796
	une	356	380	865	60	367	0	528	248	118	2,922	1,703
	uly	333	251	1,073	80	340	0	651	466	38	3,233	1,757
	ugust	348	274	1,082	61	377	0	321	523	84	3,070	1,765
	eptember October	336	154	1,477	96	371	0	323	359	149	3,264	2,063
	lovember	242 210	147	1,342	90	427	0	412	389	172	3,220	1,820
	ecember	176	132 122	1,270	112	353	0	517	535	56	3,184	1,724
	AVERAGE	311	319	1,045 1,129	158 81	400 366	0 0	684 620	411 406	132 90	3,129 3,323	1,502 1,848
1982 Ja	antiáry	254	161	877	111	289	0	663	376	128	2,859	1,403
	ebruary	139	92	693	89	244	0	584	355	102	2,009	1,403
	larch	91	37	555	155	200	0	522	399	91	2,257	860
	pril	85	0	511	122	215	0	427	426	85	1,871	740
	lav	179	Ö	601	116	236	0	222	422	54	1,830	897
	ine	115	Õ	593	94	215	72	537	361	110	2,096	820
Jŧ	uiv	159	ō	660	108	327	69	910	356	95	2,685	965
	ugust	181	Õ	489	133	271	27	574	299	133	2,003	818
	eptember	179	Ŏ	432	57	191	21	477	518	69	1.943	677
0	ctober	249	7	494	61	242	108	313	504	106	2,084	810
N:	ovember	247	14	489	47	283	34	479	528	115	2,235	797
D:	ecember	155	0	237	12	265	88	462	399	73	1,690	421
	AVERAGE	170	26	552	92	248	35	514	412	97	2,146	854
1 983 Ja	anuary	204	0	282	47	255	43	186	324	43	1,384	533
Fε	ebruary	104	0	214	9	217	0	92	371	28	1,035	326
М	arch	63	0	103	0	138	Ō	121	425	173	1,023	183
	oril	228	0	180	(s)	210	0	186	508	125	1,438	409
M		284	0	122	12	324	37	352	444	69	1,645	419
	ine	300	0	175	40	502	38	402	335	146	1,938	515
ήu	•	282	0	182	58	464	112	525	431	187	2,240	599
	ıgust	370	0	426	45	416	213	464	477	230	2.641	866
	ptember	413	0	587	21	516	86	324	472	208	2.627	1,074
	ctober	261	0	638	16	368	12	307	337	169	2,108	938
•	AVERAGE	252	0	291	25	341	55	298	413	139	1,814	588

¹ Excludes petroleum imported into the United States Indirectly from OPEC countries, primarily from Caribbean and West European areas, as refined petroleum products which were refined from crude oil produced in OPECcountries.

Includes Ecuador, Gabon, Iraq, Kuwait, and Qatar.

Includes Algeria, Libya, Saudi Arabia, United Arab Emirates, Iraq, Kuwait, and Qatar.

⁽s) Less than 500 barrels.

Footnotes continued on following page.

Crude Oil and Petroleum Product Imports (continued)

			-	ł	mports from	NON-OPE	C Sources	; 4			_
	Baha- mas	Canada	Mexico	Nether- lands Antilles	Trinidad and Tobago	United Kingdom	Puerto Rico	Virgin Islands	Other NON OPEC	Total NON OPEC	Total Imports
					Thousa	nd Barrels	per Day				
1973 AVERAGI	174	1,325	16	585	255	15	99	329	465	3,263	6,256
1974 AVERAGI	164	1,070	8	511	251	8	90	391	340	2,832	6,112
1975 AVERAGI	152	846	71	332	242	14	90	406	300	2,454	6,056
1976 AVERAGI		599	87	275	274	31	88	422	353	2,247	7,313
1977 AVERAGI		517	179	211	289	126	105	466	550	2,614	8,807
1978 AVERAGI		467	318	229	253	180	94	429	484	2,613	8,363 8,456
1979 AVERAGI 1980 AVERAGI		538 455	439 533	231 225	190 176	202 176	92 88	431 388	548 491	2,819 2,609	6,909
1981 January	39	543	401	198	150	233	89	494	552	2,701	6,827
February	84	546	437	227	163	271	46	481	626	2,881	6,772
March	74	472	488	227	93	263	45	370	571	2,603	6,028
April	68	412	418	198	139	402	40	365	380	2,423	5,668
Мау	122	365	522	213	105	368	58	344	474	2,573	5,775
June	51	353	538	196	124	397	67	262	525	2,513	5,435
July	77	382	384	212	178	553	50	206	541	2,583	5,816 5,767
August	69	378	489	255	123	592	68 72	184 265	539 661	2,698 3.100	6,365
September	111	423 449	708	163 161	169 121	5 28 3 5 1	72 60	303	562	2,739	5,959
October November	63 63	449 547	669 628	168	108	253	76	294	421	2,557	5,741
December	70	501	587	148	125	280	73	367	563	2,714	5,843
AVERAGE		447	522	197	133	375	62	327	534	2,672	5,996
1982 January	58	513	425	179	106	346	62	334	452	2,474	5,332
February	67	537	476	221	120	181	38	362	508	2,510	4,807
March	43	437	503	189	118	294	62	307	480	2,433	4,484
April	82	360	476	184	166	247	36	266	690	2,507	4,378
May	77	419	766	152	95	516	47	302	607 708	2,981 3,231	4,811 5,327
June	32 64	481 536	797 783	148 158	129 118	557 4 3 3	58 38	322 376	698	3,204	5,890
July	80	443	853	145	106	520	24	317	650	3,137	5,244
August September	92	493	897	195	89	631	51	278	746	3,472	5,414
October	45	459	682	148	109	666	52	262	801	3 222	5,306
November	51	553	860	212	90	623	81	334	706	3,508	5,744
December	88	561	689	174	102	438	48	336	480	2,916	4,606
AVERAGE		482	685	175	112	456	50	316	627	2,968	5,113
1983 January	68	536	849	218	73	315	40	299	588	2,988	4,372
February	92	592	722	179	81	193	50	192	554 569	2,655	3,691
March	86	488	760	187	78 85	240 421	43 20	162 183	563 781	2,606 3,306	3,629 4,744
April	167 135	452 501	981 944	216 153	108	421 483	20 42	235	651	3,252	4,744
May June	135	501 576	831	181	120	424	42	252	712	3,281	5,218
July	69	633	849	191	103	369	37	364	836	3,450	5,690
August	142	540	891	194	90	461	40	313	725	3,395	6,036
September	137	523	832	251	82	472	33	308	822	3,461	6,088
October	164	539	771	172	106	414	48	370	565	3,149	5,256
AVERAGE		537	844	194	93	381	40	269	680	3,157	4,971
ATLINAGE	120	701	UTT	107	44		••			-,,-,	-,

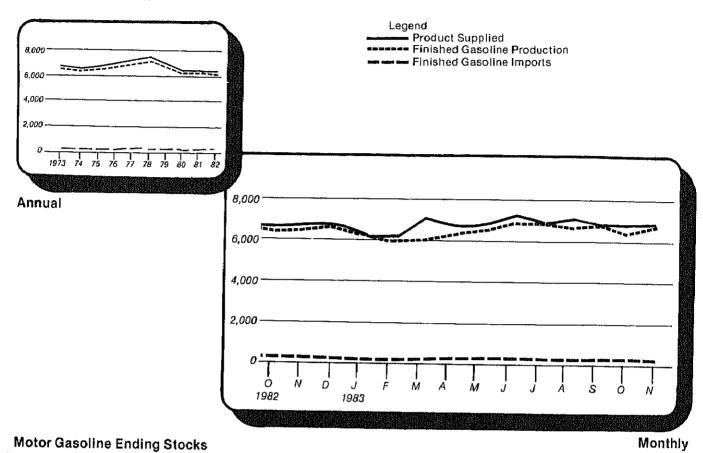
Totals may not equal sum of components due to Independent rounding.

Geographic coverage: The 50 United States and the District of Columbia. Sources: See "Sources" at the end of this section.

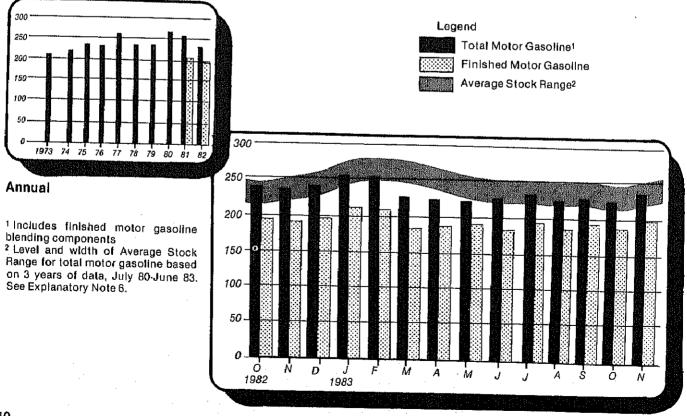
Less than 500 barrels.
Includes petroleum imported into the United States indirectly from OPEC countries, primarily from Caribbean and West European areas, as refined petroleum products which were refined from crude oil produced in OPEC countries.

Note: Beginning in October 1977, Strategic Petroleum Reserve imports are included.

(Thousand Barrels Per Day)



(Millions of Barrels)



			Supply			Disp	Ending Stocks ¹			
		Totat Produc-		Stock With-		р	roduct Supplie	ed	Total Motor	Finished Motor
		tion	Imports ²	drawal ^{2 3}	Exports	Total	Unleaded ⁵	Unleaded	Gasoline ⁴	Gasoline
				Thousand Ba	arrels per Day			Percent of Total	Million	Barrels
1973	AVERAGE	6,535	134	9	4	6,674	NA	NA	209	
1974	AVERAGE	6,360	204	-24	2	6,537	NA	NA	⁶ 218	
1975	AVERAGE	6,520	184	-28	2	6,675	NA	NA	235	
1976	AVERAGE	6,841	131	10	3	6,978	NA	NA	231	
1977	AVERAGE	7,033	217	-72	2	7,177	1,976	27,5	258	
1978	AVERAGE	7,169	190	54	1	7,412	2,521	34,0	238	
1979	AVERAGE	6,852	181	2	(S)	7,034	2,798	39.8	237	
1980	AVERAGE	6,506	140	-66	` 1	6,579	3,067	46.6	⁶ 261	
	January	6,715	138	-421	(S)	6,431	3,141	48,8	276	227
	February	6,308	111	-118	1	6,301	3,095	49.1	284	230
	March	6,213	171	-81	(⁸)	6,303	3,097	49.1	285	232
	April	6,114	186	303	(s)	6,602	3,284	49.7	272	2 2 3
	May	6,122	150	344	1	6,615	3,115	47.1	259	213
	June	6,220	186	622	1	7,028	3,419	48.6	242	194
	July	6,405	151	268	(5)	6,823	3,424	50.2	228	186
	August	6,611	124	-95	`´3	6,637	3,344	50.4	233	189
	September	6,564	169	-70	2	6,662	3,338	50,1	237	191
	October	6,426	147	7	3	6,578	3,257	49,5	236	190
	November	6,564	148	-338	1	6,373	3,198	50.2	248	201
	December	6,586	197	-91	11	6,681	3,444	51,5	253	203
	AVERAGE	6,405	157	28	2	6,588	3,264	49.5	200	200
1982	January	6,167	128	-316	18	5,961	3,067	51.5	261	213
	February	5,899	133	172	8	6,196	3,210	51.8	257	208
	March	5,994	183	334	44	6,466	3,358	51.9	247	198
	April	6,095	185	650	33	6,897	3,495	50.7	221	179
	Мау	6,319	182	177	23	6,655	3,415	51.3	214	173
	June	6,754	230	-134	14	6,835	3,565	52.2	219	177
	July	6,768	225	-178	24	6,790	3,577	52,7	226	183
	August	6,419	291	-81	16	6,614	3,526	53.3	227	185
	September	6,527	223	-198	22	6,531	3,404	52.1	234	191
	October	6,262	185	-190 -42	15	6,391		52.1	234	192
	November	6,273	211	101	11		3,351	52.4 52.5	234	
	December	6,542	178			6,574	3,451			189
	AVERAGE	6,338	197	-165 25	7 20	6,549 6,539	3,485 3,409	53.2 52. 1	⁶ 235	⁶ 194
983	January	6,020	148	-186	(s)	5,981	3,352	56.0	251	208
	February	5,848	142	32	(a)	6,022	3, 2 57	54,1	251	207
	March	5,897	205	765	23	6,843	3,620	52.9	224	184
	April	6,202	273	27	1	6,501	3,505	53.9	221	183
	May	6,386	284	-128	1	6,540	3,505	53.9 54.2	225	183
	June June	6,386 6,646	265							
				118	22	7,008	3,796	54.2	223	183
	July	6,704	297	-210	18	6,773	3,752	55.4	231	190
	August	6,539	260	159	13	6,946	3,836	55.2	226	185
	September	6,582	285	-160	14	6,693	3,671	54.8	230	190
	October*	R 6,188	R 335	R 60	2	R 6,581	3,698	56.2	R 228	R 88
l	November**	6,645	<i>295</i>	-278	NA	6,649	NA	NA	231	194
	AVERAGE	6,335	254	19	NA	6,598	NA	NA		

Stocks are totals as of end of period.

Beginning in 1981, excludes blending components.

A negative number indicates an increase in stocks and a positive number indicates a decrease.

Includes motor gasoline blending components.

Includes gasohol.

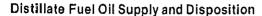
⁶ In January 1975, 1981, and 1983, significant numbers of new respondents were added to bulk terminal and pipeline surveys as a result of extensive investigation during the previous years. The major impact is on the reporting of stocks and stock withdrawals. Using the expanded or end of year stocks would be: 1974-225, 1980-263, 1982-244 (Total) and 203 (Finished). during 1975, 1981, and 1983 are calculated using new basis stock levels.

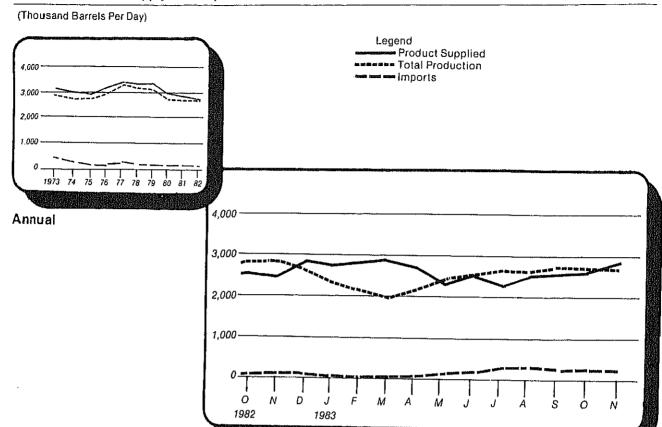
= Less than 500 barrels per day. NA = Not available. R = Revised data. expanded coverage (new basis), Stock withdrawals

^{*} See Explanatory Note 9.3.

** Italics denote preliminary data. See Explanatory Note 8. Note: Beginning in January 1981, survey forms were modified .

Geographic coverage: The 50 United States and the District of Columbia. Sources: See "Sources" at the end of this section.

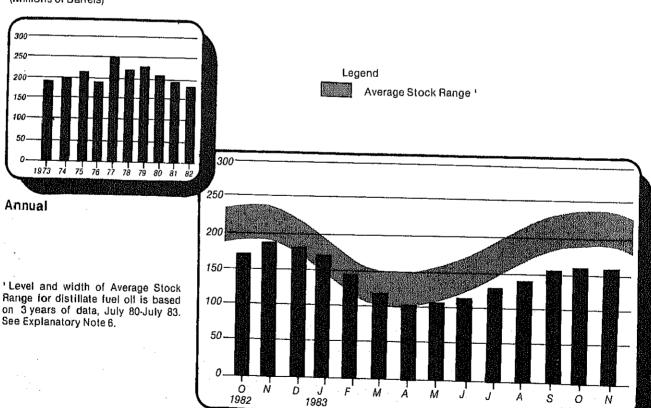




Distillate Fuel Oil Ending Stocks

Monthly





			Su	ipply		Disp	osition	Ending Stocks ¹
		Total Production	Imports	Stock Withdrawai ²	Crud e Used Directly ³	Exports	Products Supplied ³	
				Thousand Bar	rels per Day		Million Barrels	
1973	AVERAGE	2,822	392	-115	2	9	3,092	196
1974	AVERAGE	2,669	289	-9	2	2	2,948	4 200
1975	AVERAGE	2,654	155	40	2	ĩ	2,851	209
	AVERAGE	2,924	146	62	ī	i		186
	AVERAGE	3,278	250	-176	i		3,133	
	AVERAGE				-	1	3,352	250
		3,167	173	93	1	3	3,432	216
	AVERAGE	3,153	193	-34	1	3	3,311	229
1980	AVERAGE	2,662	142	64	1	3	2,866	4 205
981 Ja		2,989	273	836	11	(s)	4,109	179
Fe	ebruary	2,809	325	246	1 1	`´17	3,373	173
M	arch	2,484	147	264	9	(s)	2,904	164
Ar	pril	2,418	116	-9	10	`´3	2,532	165
	ay	2,454	179	-232	10	(s)	2,411	172
	ine	2,501	225	-270	9	(9)		
Ju		2,395	179	-204		(s)	2,464	180
					10	. 2	2,378	186
	ugust	2,656	174	-450	8	(5)	2,388	200
	eptember	2,610	129	-235	10	1	2,513	207
	ctober	2,485	119	197	9	5	2,803	201
No	ovember	2,716	124	36	11	6	2,880	200
₽e	ecember	2,856	95	277	11	26	3,212	192
,	AVERAGE	2,613	173	38	10	5	2,829	100
9 82 Ja	anuary	2,591	97	876	10	90	3,484	164
Fε	ebruary	2,427	132	605	11	90	3,085	147
	arch	2,288	48	6B2	10	84		
Ap			59				2,945	126
		2,358		612	13	64	2,978	108
Ma		2,618	74	-183	10	75	2,444	114
	ine	2,729	102	-335	10	55	2,452	124
Ju	•	2,734	125	-789	11	24	2,058	148
	ugust	2,507	80	-339	10	40	2,218	159
Se	eptember	2,657	61	-85	12	139	2,507	161
Oc	ctober	2,838	91	-289	8	66	2,581	170
No	ovember	2,860	145	-514	8	24	2,475	186
	ecember	2,655	109	225	10	143	2,855	4 179
	AVERAGE	2,606	93	35	10	74	2,671	175
983 Ja	ınuarv	2,314	58	561	NA	173	2,760	168
	bruary	2,136	58	742	NA NA	105		
	arch	1,991					2,832	147
		0 400 BB	42	926	NA	59	2,900	119
Ар		2,169	73	518	NA	47	2,713	103
Me		2,444	141	-193	NA	50	2,341	109
Ju		2,545	175	-154	NA	40	2,526	114
Jul		2,600	259	-556	NA	55	2,248	131
Au	igust	2,612	302	~403	NΑ	43	2,467	144
	ptember	2,725	253	-374	NA	37	2,568	155
	tober*	R 2,682	R 255	R -275	ŇA	55	R 2,606	R 163
	vember**	2,673	222	-7	NA	NA NA	2,848	162
	AVERAGE	2,446	168	66	NA NA			102
	TILINGE	£,440	100	00	NA	NA	2,617	

¹ Stocks are totals as of end of period.

A negative number indicates an increase in stocks and a positive number indicates a decrease.

Beginning in January 1983, product supplied for distillate fuel oil does not include crude oil used directly. See Explanatory Note 4.

In January 1975, 1981, and 1983, significant numbers of new respondents were added to bulk terminal and pipeline surveys as a result of extensive investigation during the previous years. The major impact is on the reporting of stocks and stock withdrawals. Using the expanded coverage (new basis), end of year stocks would be: 1974-224, 1980-205, and 1982-186. Stock withdrawals during 1975, 1981, and 1983 are calculated using new basis stock levels.

(s) = Less than 500 barrels per day. NA = Not available, R = Revised data.

Totals may not equal sum of components due to independent rounding.

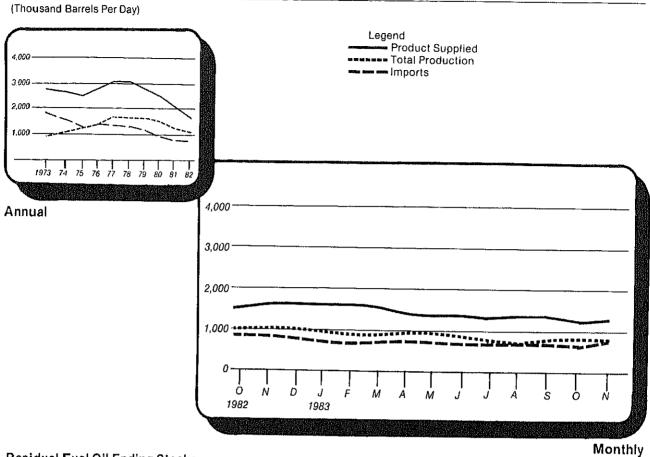
* See Explanatory Note 9.4.

^{**} Italics denote preliminary data. See Explanatory Note 8.

Note: Beginning in January 1981, survey forms were modified.
Geographic Coverage: The 50 United States and the District of Columbia.

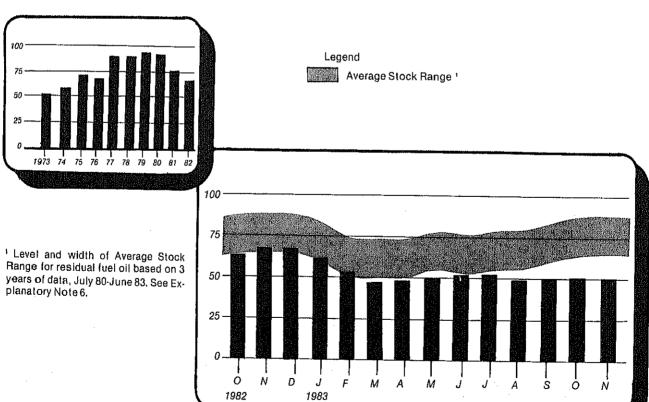
Sources: See "Sources" at the end of this section.

Residual Fuel Oil Supply and Disposition



Residual Fuel Oil Ending Stocks

(Millions of Barrels)



Monthly

			Su	ıpply		Dispo	osition	Ending Stocks ¹
		Total Produc- tion	Imports	Stock Withdrawai ²	Crude Used Directly ³	Exports	Products Supplied ³	
				Thousand Bar	rels per Day		· · · · · · · · · · · · · · · · · · ·	Million Barrels
1973	AVERAGE	971	1,853	5	17	23	2,822	53
1974	AVERAGE	1,070	1,587	-17	13	14	2,639	4 60
1975	AVERAGE	1,235	1,223	2	15	15	2,462	74
1976	AVERAGE	1,377	1,413	5	17	12	2,801	72
1977	AVERAGE	1,754	1,359	-48	13	6		90
1978	AVERAGE	1,667					3,071	
			1,355	-1	13	13	3,023	90
1979	AVERAGE	1,687	1,151	-15	12	9	2,826	96
1980	AVERAGE	1,580	939	10	12	33	2,508	4 92
	January	1,612	1,015	302	32	65	2,896	82
	February	1,565	954	150	44	125	2,588	78
	March	1,424	699	100	48	145	2,126	75
	April	1,320	584	66	49	151	1,868	73
	May	1,223	741	-170	49	25	1,817	78
	June	1,232	540	291	49	76	2,037	69
	July	1,174	830					
				2	48	82	1,971	69
	August	1,231	819	-179	50	69	1,852	75
	September	1,292	841	-176	51	126	1,882	80
	October	1,238	786	8	54	202	1,884	80
	November	1,227	880	-49	53	203	1,909	81
	December	1,329	916	110	52	157	2,250	78
	AVERAGE	1,321	800	37	48	118	2,088	, ,
1982	January	1,235	831	301	53	235	2,185	69
	February	1,186	956	363	53	213	2,344	58
	March	1,123	912	12	53		-	
		1,120				197	1,903	58
	April	1,166	788	150	52	234	1,923	54
	May	1,128	742	-172	52	191	1,560	59
	June	1,074	652	- 57	50	217	1,501	61
,	July	1,028	657	56	49	239	1,550	59
	August	965	551	203	47	235	1,531	53
	September	1,008	872	-306	44	148	1,470	62
	October	955	783	-57	43	234	1,490	64
	November	989	837	-94	43	182	1,591	66
	December	989	747	-54 6	43	186	1,598	4 66
	AVERAGE	1,070	747 776	32	43 48	209	1,716	7 00
1000	lanuane	005	604	0.40	LIA	004		0.4
	January	935	691	243	NA	294	1,574	61
	February	857	632	270	NA	191	1,568	53
	March	833	686	220	NA	169	1,569	46
	April	942	743	-10	NA	310	1,364	47
I	May	930	709	-139	NA	190	1,310	51
	June	832	676	28	NA	219	1,317	50
	July	771	682	-58	NA	90	1,306	52
	August	706	705	115	NA	165	1,362	48
	September	815 B 700	690	-47 D 50	NA	134	1,324	50
	October*	R 799	R 634	R -56	NA	153	R 1,224	R 51
ı	November**	794	764	-1 <i>15</i>	NA	NA	1,291	<i>51</i>
	AVERAGE	837	692	40	NA	NA	1,382	

Stocks are totals as of end of period.

A negative number indicates an increase in stocks and a positive number indicates a decrease.

Beginning in January 1983, product supplied for residual fuel oil does not include crude

oil used directly. See Explanatory Note 4.

In January 1975, 1981, and 1983, significant numbers of new respondents were added to bulk terminal and pipeline surveys as a result of extensive investigation during the previous years. The major impact is on the reporting of stocks and stock withdrawals. Using the expanded coverage (new basis), end of year stocks would be: 1974-75, 1980-91, and 1982-68. Stock withdrawais during 1975, 1981, and 1983 are calculated using new basis stock levels.

Totals may not equal sum of components due to independent rounding.

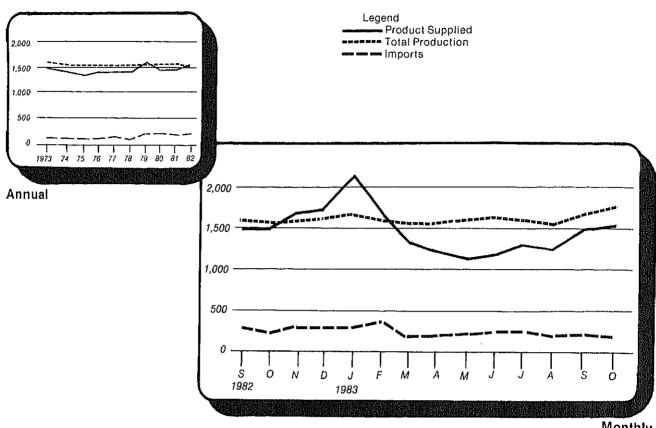
NA = Not available. R = Revised data.

* See Explanatory Note 9.4.

^{**} Italics denote preliminary data. See Explanatory Note 8.

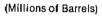
Note: Beginning in January 1981, survey forms were modified. Geographic Coverage: The 50 United States and the District of Columbia. Sources: See "Sources" at the end of this section.

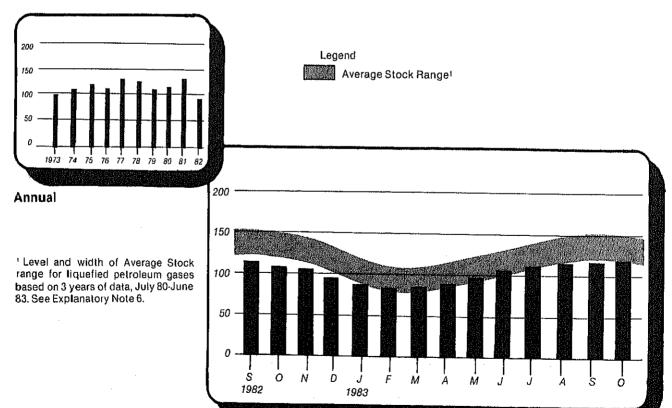




Liquefied Petroleum Gases Ending Stocks

Monthly





Liquefied Petroleum Gases Supply and Disposition

			Supply				Ending Stocks ¹	
		Total Production	Imports	Stock Withdrawai ²	Refinery Inputs	Exports	Products Supplied	
				Thousand Ba	Million Barrels			
1973	AVERAGE	1,600	132	-35	220	27	1,449	99
1974	AVERAGE	1,565	123	-38	220	25	1,406	³ 113
1975	AVERAGE	1,527	112	-35	246	26	1,333	125
1976	AVERAGE	1,535	130	24	260	25	1,404	116
1977	AVERAGE	1,566	161	-55	233	18	1,422	136
1978	AVERAGE	1,537	123	12	239	20	1,413	132
1979	AVERAGE	1,556	217	70	236			
1980		,				15	1,592	111
1960	AVERAGE	1,535	216	-27	233	21	1,46 9	³ 120
1981	January	1,617	306	363	352	21	1,913	117
	February	1,593	327	173	303	21	1,769	112
	March	1,551	2 6 0	-4	257	20	1,530	112
	April	1,586	214	-236	231	26	1,308	119
	May	1,587	1 8 9	-258	220	19	1,279	127
	June	1,567	206	-208	237	24	1,304	133
	July	1,507	213	-258	215	17	1,229	141
	August	1,592	195	-242	235	149	1,160	149
	September	1,622	199	-75	287	21	1,438	151
	October	1,593	287	-73 72				
					320	76	1,556	149
	November	1,571	280	86	383	58	1,495	146
	December	1,468	255	379	428	50	1,624	135
	AVERAGE	1,571	244	-18	289	42	1,466	
1982	January	1,565	314	443	391	67	1,863	121
	February	1,466	291	243	327	51	1,621	1 1 4
	March	1,544	223	211	289	74	1,615	108
	April	1,506	188	98	257	77	1,458	105
	May	1,565	186	-71	234	43	1,403	107
	June	1,515	192	-86	262	106	1,254	109
	July	1,476	227	-13	253	37	1,399	110
	August	1,511	125	-45	254	61	1,276	111
	September	1,538	247	-43 37				
	October				274	85	1,463	110
		1,517	194	97	306	81	1,421	107
	November	1,542	267	175	363	37	1,583	102
	December	1,580	258	256	395	56	1,642	3 94
	AVERAGE	1,528	226	111	300	65	1,499	
1983	January	1,662	240	618	313	118	2,088	84
	February	1,560	305	84	237	76	1,636	81
	March	1,517	166	51	189	127	1,316	83
	April	1,531	124	-107	198	116	1,232	86
	May	1,545	167	-326	207	84	1,094	96
	June	1,593	172	-333	205	59	1,169	106
	July	1,571	191	-206	217	55	1,284	112
	August	1,505	160	-183	229	29	1,225	118
	September	1,625	178	-23	236	86	1,457	119
	October*	1,688	160	-61	268	32	1,487	121
	AVERAGE	1,580	185	-59	230	78	1,398	

Stocks are totals as of end of period.

A negative number indicates an increase in stocks and a positive number indicates a decrease.
In January 1975, 1981, and 1983, significant numbers of new respondents were added to bulk The major impact is on the reporting of stocks and stock withdrawals. Using the expanded coverage (new basis), end of year stocks would be: 1974-113, 1980-128, and 1982-103, Stock withdrawals during 1975, 1981, and 1983 are calculated using new basis stock levels.

Totals may not equal sum of components due to independent rounding.

* See Explanatory Note 9.5. terminal and pipeline surveys as a result of extensive investigation during the previous years.

See Explanatory Note 9.5.

Geographic coverage: The 50 United States and the District of Columbia.

Sources: See "Sources" at the end of this section,

			Supply			Disposition		Ending Stocks ²
		Total Production	Imports	Stock Withdrawai ³	Refinery Inputs	Exports	Products Supplied	
				Million Barrels				
1973	AVERAGE	3,693	502	-9	750	166	3,270	208
1974	AVERAGE	3,558	432	-28	665	174	3,123	4 218
1975	AVERAGE	3,424	277	-2	537	160	3,002	219
1976	AVERAGE	3,643	206	-5	524	175	3,145	220
1977	AVERAGE	3,912	205	-27	514	165	3,410	230
1978	AVERAGE	4,046	166	14	492	167	3,568	225
1979	AVERAGE	4,153	195	-37	352	209	3,749	238
1980	AVERAGE	3,956	210	-23	311	198	3,634	4 247
1081	January	3,821	162	80	851	132	3,081	296
	February	3,723	182	-200	538	208	2,958	302
	March	3,722	230	-55	642	210	3,043	302
	April	3,711	230	24	733	192	3,040	303
					594	238		
	May	3,892	229	-58			3,231	305
	June	3,925	218	-29	656	197	3,261	306
	July	3,852	149	284	791	212	3,282	297
	August	3,876	276	-33	676	219	3,225	298
	September	3,718	285	215	883	176	3,159	291
	October	3,503	241	193	710	227	3,000	285
	November	3,579	262	33	784	154	2,935	284
	December	3,543	243	71	805	223	2,829	282
	AVERAGE	3,739	226	46	723	199	3,088	
1982	January	3,171	269	-7	624	180	2,631	282
	February	3,403	305	-153	663	138	2,755	287
	March	3,466	243	-191	725	161	2,631	293
	April	3,408	309	73	796	204	2,790	290
	May	3,317	318	184	824	210	2,785	285
	June	3,547	315	123	812	216	2,954	281
	July	3,660	408	-1	856	187	3,023	281
	August	3,583	346	217	743	202	3,201	274
	September	3,533	375	105	749	213	3,051	271
	October	3,529	383	244	915	266	2,976	264
	November	3,498	423	-28	837	269	2,786	264
	December	3,324	313	366	885	275	2,842	4 253
	AVERAGE	3,453	334	80	787	211	2,869	
	January	3,222	297	-371	570	271	2,307	271
	February	3,270	287	-1	680	232	2,645	271
	March	3,400	298	-94	570	249	2,786	273
	April	3,363	377	3	596	247	2,901	273
	May	3,448	364	26	694	242	2,902	273
	June	3,674	427	99	715	292	3,197	270
	July	3,703	393	106	757	209	3,237	266
	August	3,774	435	23	689	242	3,302	266
	September	3,861	460	-31	768	236	3,287	267
	October*	3,579	427	-124	701	195	2,985	270
	AVERAGE	3,531	377	-37	674	241	2,956	

Includes natural gasoline and isopentane, unfractionated stream, plant condensate, other liquids; and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil, and liquefied petroleum gases.

Stocks are totals as of end of period.

A negative number indicates an increase in stocks and a positive number indicates a decrease.

In January 1975, 1981, and 1983, significant numbers of new respondents were added to bulk terminal and pipeline surveys as a result of extensive investigation during the previous years. The major impact is on the reporting of stocks and stock withdrawals. Using the expanded coverage (new basis), end of year stocks would be: 1974-220, 1980-249, and 1982-259. Stock withdrawals during 1975, 1981, and 1983 are calculated using new basis stock levels.

Totals may not equal sum of components due to independent rounding.

* See Explanatory Note 9.6.

Geographic Coverage: The 50 United States and the District of Columbia. Sources: See "Sources" at the end of this section.

Sources

- 1973 through 1976: Bureau of Mines, U.S. Department of the interior, Petroleum Statement, Annual and PAD Districts Supply/Demand, Annual, Mineral Industry Surveys.
- 2. 1977 through 1980: Energy Information Administration, U.S. Department of Energy, *Monthly Petroleum Statistics Report*, (unleaded gasoline category).
- 3. 1977 through 1980: Energy Information Administration, U.S. Department of Energy, *Petroleum Statement*, *Annual* and *PAD Districts Supply/Demand*, *Annual*, Energy Data Reports.
- 4. January 1981 through December 1982: Energy Information Administration, U.S. Department of Energy, *Petroleum Supply Annual*.
- January 1983 through October 1983: Detailed statistics in appropriate issues of the Petroleum Supply Monthly. (See Explanatory Notes 9.1 through 9.6).
- November 1983: Estimates based on EIA weekly data (except domestic crude oil production) (see Explanatory Note 1.1).
- January 1983 through November 1983: Domestic crude oil production estimate based on historical statistics from State Conservation Agencies the U.S. Geological Survey. (See Explanatory Note 3).

Detailed Statistics





Table 1. U.S. Petroleum Balance, October 1983

	Current	Month	Year-t	o-date
	Thousand Barrels	Thousand Barrels per Day	Thousand Barrels	Thousand Barrels per Day
Crude Oil (Including Lease Condensate)		<u>por buy</u>	···	poi Day
Field Production				
(1) Alaska	E 53,658	1,731	E 521,336	1,715
(2) Lower 48 States		6,923	€ 2,112,351	6,949
(3) Total U.S		8,654	E 2,633,687	8,663
Net Imports ,	,	-,	2,000,000	0,000
(4) Imports (Gross Excluding SPR)	. 100,558	3,244	932,231	3,067
(5) SPR Imports	. 6,262	202	74,195	244
(6) Exports		140	51,443	169
(7) Imports (Net Including SPR)	. 102,484	3,306	954,983	3,141
Other Sources				
(8) SPR Withdrawal (+) or Addition (-)		-201	-73,413	-241
(9) Other Stock Withdrawal (+) or Addition (-)		21	-939	-3
10) Product Supplied and Losses	•	-64	-20,085	-66
11) Unaccounted for 1	• • • •	69	58,106	191
12) Total Other Sources	•	-175	-36,331	-120
(13) = $(3) + (7) + (12)$. 365,314	11,784	3,552,339	11,685
		į		
Natural Gas Plant Liquids (NGPL)	48 8			
(4) Field Production		1,604	474,090	1,560
(5) Imports 2		17	4,214	14
6) Stock Withdrawal (+) or Addition (-) 2		-56	-7,044	-23
7) Total NGPL Supply	48,505	1,565	471,260	1,550
Other Liquids				
Unfinished Oils and Gasoline Blending Components, Total	00		5.504	
8) Stock Withdrawal (+) or Addition (-)		1	-5,501	-18
(9) Imports		266	78,761	259
		59	16,361	54
•		518	145,310	478
22) Crude Oil Product Supplied23) Total Other Liquids		63 908	19,639	65 997
(23) = (18) through (22)	20,133	900	254,570	837
(4) Total Production of Products 3	441,953	14,257	4,278,169	14,073
(24) = (13) + (17) + (23)	711,000	14,001	4,210,100	14,010
Net Imports of Refined Products 3				
25) Imports (Gross)	47,350	1,527	421,752	1.387
26) Exports		436	178,228	586
7) Imports (Net)		1,091	243,524	801
,	00,000	1,001	ריים ויים	801
8) Total New Supply of Products	475,785	15,348	4,521,693	14,874
(28) = (24) + (27)	,	·		,
9) Refined Products Stock Withdrawal (+) or Addition (-) 3	-12,428	-401	37,036	122
0) Total Petroleum Products Supplied for Domestic Use	463,357	14,947	4,558,729	14,996
(30) = (28) + (29)	100,001	. 14,541	4,000,728	14,880
M. Finished Mater Combine	000 007			,
1) Finished Motor Gasoline		6,581	2,004,289	6,593
2) Distillate Fuel Oil	80,792	2,606	788,500	2,594
3) Residual Fuel Oll		1,224	422,771	1,391
4) Liquefied Petroleum Gases	•	1,487	424,883	1,398
5) Other4		2,985	898,646	2,956
6) Grude Oil		63	19,639	65
7) Total Product Supplied	463,357	14,947	4,558,729	14,996
Ending Stocks, All Oils **Courte Oil and Lease Condensate (Evaluding SBB)	050.000		0.00 0.00	
8) Crude Oil and Lease Condensate (Excluding SPR)	350,983		350,983	
9) Strategic Petroleum Reserve (SPR)	367,240		367,240	
0) Unfinished Oils	112,120		112,120	
1) Gasoline Blending Components	41,203		41,203	N. W.
2) Natural Gasoline and Unfractionated Stream ²	18,512		18,512	
3) Finished Refined Products 3	621,820		621,820	
4) Total Stocks	1,511,878		1,511,878	

¹ A balancing item.

A balancing ferri.
 Includes isopentane, natural gasoline, unfractionated stream, and plant condensate only.
 For products included see Explanatory Note 9.7.
 Includes natural gasoline and isopentane, unfractionated stream, plant condensate, other liquids; and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil and liquelled petroleum gases.

⁼ Estimated.
-- Not Applicable.

Note: Totals may not equal sum of components due to independent rounding. Sources and estimation procedures: See Explanatory Notes 1, 2 and 9.7.

Table 2. Supply and Disposition of Crude Oil and Petroleum Products, October 1983 (Thousand Barrels)

			Supply					Disposition		
Commodity	Field Produc- tion	Refinery Produc- tion	Imports	Stock With- drawa! (+) or Addi- tion (-)	Unac- counted For Crude	Crude Losses	Refinery Inputs	Exports	Products Supplied	Ending Stocks
Crude Oil (including lease condensate)	. E 268,266	0	106,820	-5,590	2,151	99	365,314	4,336	1,967	718,223
Natural Gas Liquids and LRGs	49,386	10,662	5,493	-3,632	0	c	14.475	987	46 448	139 256
Natural Gasoline and Isopentane		0	279	629			086.5	5	24.5	2000
Unfractionated Stream		0	0	2.360	· c	· c	200,	•	, c	2500,0
Plant Condensate		· c	370	j	o c	5 6	9 6	5 6	5 (0/0/11
Liquefied Petroleum Gases		10.662	040	4	-	> (567	ا د	2	452
Fitness		100'0	non't	250,1-	⊃ •	-	8,307	987	46,099	120,744
D25550		220	200	-1,251	Ф	0	69	(s)	8,581	7,135
Despo		8,216	1,218	720	0	0	149	534	23,952	61,564
		1,643	1,986	468	0	0	5,403	453	3,930	26.509
Butane-Propane Mixtures		127	631	92-	0	0	305	0	586	1 839
Ethane-Propane Mixtures		0	571	88-	c	. c		• -	0 0	970 04
sobutane	3,106	51	0	-770	0	0	2,384	00) ()	10.851
Att. 11. 11.										
Cher Liquids	1,835	0	8,249	58	0	0	15,572	0	-5,459	153,323
Uner Hydrocarbons and Alcohol		0	0	14	0	0	1,850	0		383
Untilished Oils		0	7.629	525	C	c	9,508	· c	-1 250	119 190
Motor Gasoline Blending Components		0	620	-513	c		A 214	• c	7 7	10,120
Aviation Gasoline Blending Components		0	0	,	o C	o c		c	Ž.	40,434 200
•		•	,	J	•	3	N .	•	>	525
Finished Petroleum Products		400.752	42.382	-10.535	•	•	•	12 531	100 001	504 076
Finished Motor Gasoline		191.771	10.379	1 853	3 C	o c	o c	12,33	303 000	501,076
Finished Leaded Motor Gasoline		84.704	3 805	4 C C	o c		o c	5 4	00,000	101,021
Finished Unleaded Motor Gasoline		107.067	55.54	35	> C	0 0	o c	5 6	03,040	34,72
Finished Aviation Gasoline		675	(5)	2 7	> 0	> 0	> 6	5 6	500,411	84,055
Naphtha-Type Jet Fuel	2	400 4	2	205	> 0	5 6	> 0	5	940	2,441
Kerosene-Tvoe Jet Fuel		770 90	1	3 6	5 6	5 6	> 0	6	//0'0	6,124
Kerosene		4 250	100,	207,7	5 6	> 6	5 0	4 6	25,474	37,268
Distilate First Oil		100	1 000	2 1 0	> (.	3 (27.0	195,5	/02'0L
Bosidial Fiel Oil		00,13	669.	/50°5	5	.	o •	1,701	80,792	163,285
Monthly / ADD Doc for Date That I take		607,42	19,045	-1,729	5	0	0	4,732	37,954	51,420
Office Office 1990 Degree of the result of the comment of the comm		4,390	153	54	0	0	0	285	4,418	1,912
Other Oils > 400 Deg. for Petro. Feed. Use		8,175	8	231	Q	0	0	207	8,201	1.926
Special Naphthas		1,966	916	-319	0	0	0	47	2 597	3 484
Lubricants		4.934	394	318	-	c	· C	483	7 183	10,525
Waxes		485	-	} -	• •	o c	· c	g č	2017	0,000
Petroleum Coke		42 OAB		- 667	.	> c		,	4 60	C47
Asphalt and Road Oil		1000	0 00	120	5 6	> c	> 0	4,7 5	CL0'/	5,550
OKII Das		0000	707	99/	> ·	φ,	-	ю	14,357	16,350
Missellensen De de de de		000/	٥.	0	0	0	0	0	17,000	0
MISCEILAIREOUS FIOQUCIS		1,570	828	4	0	0	0	27	2,373	1,901
	000	****			•					
1 OLD 1	319,822	411,414	162,944	-19,729	2,151	30	395,361	17,853	463,357	1,511,878
1 I Indoord to the state of the										

¹ Unaccounted for crude oil is a balancing item.
(s) Less than 500 barrels.
E = Estimated.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 3. Year-to-Date Supply and Disposition of Crude Oil and Petroleum Products, January - October 1983 (Thousand Barrels)

Slock drawall ton (1) Unaccounted browned drawall ton (1) Counted counted browned browned drawall ton (1) Counted counted browned br				alogue.							
Commodity Field Front Refinesy Imports	-			, day	1				DISposing		-
Controlled black and LINGs	Commodity	Field Produc- tion	Refinery Produc- tion	Imports	Stock With- drawal (+) or Addi- tion (-)	Unac- counted For Crude Oit1	Crude	Refinery Inputs	Exports	Products Supplied	Ending Stocks
Apper Control Seasor 470,392 98,984 60,570 -25,070 0 134,617 23,751 0 65,177 0 0 53,177 0 0 0 53,177 0 0 0 0 53,177 0 0 0 0 53,177 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Crude Oil (including lease condensate)	E 2,633,687	0	1,006,426	-74,352	58,106	446	3,552,339	51,443	19,639	718,223
Activation and transmissions of the control	Mathematical Sanitate and 1 DO	000	, ,	0		•	,	!			
constant Stream 7,9042 2,113 -388 0 0,5177 0 constant Stream 6,246 6,246 6,246 6,246 6,246 6,246 6,246 6,246 6,246 6,246 6,246 6,246 6,246 6,246 6,246 6,246 6,246 6,246 6,246 6,246 6,246 1,164 1,164 0 0 9311 0 0 9311 0 0 9311 0 0 9311 0 0 9311 0 0 9311 0 0 0 9311 0 0 9311 0 0 0 9311 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <	Matural das Liquids alia Lnas	4/0,392	40,00	5/c'no	-25,070	5	0	134,617	23,751	446,488	139,256
Annicated Stream 7,805 0 7,508 0 0 1,89 0 0 1,89 0 0 1,89 0 0 1,89 0 0 1,89 0 0 1,89 0 0 1,89 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 </td <td>Natural Gasoline and Isopentane</td> <td>75,042</td> <td>0</td> <td>2,119</td> <td>-398</td> <td>0</td> <td>0</td> <td>55,177</td> <td>0</td> <td>21,586</td> <td>6,385</td>	Natural Gasoline and Isopentane	75,042	0	2,119	-398	0	0	55,177	0	21,586	6,385
Activation Gases 6,246 0 2,095 990 0 9311 0 a Fronciscolor 7,256 4,741 13,442 -1,164 0 0 9311 0 0 9311 0 0 9311 0 0 9469 2,751 0 1,164 -1,164 -1,164 0 0 0 7,761 4,741 1,244 -1,164 0 0 0 7,761 4,176 0 0 0 0 1,184 1,184 -1,164 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Unfractionated Stream		0	0	-7,636	0	0	169	0	0	11,675
1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875 1875	Plant Condensate	6,246	0	2,095	066	0	0	9,311	0	20	452
1,194.2 1,194.2 1,194.2 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,194.3 1,19	Liquefied Petroleum Gases	381,299	98,964	56,356	-18.026	0	0	69 960	23.754	424 883	120 744
183719 1818 12912 2327 0 1,024 14,184 14,184 12,184 12,184 12,184 12,184 12,184 12,184 12,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,184 16,	Ethane	77,626	4.741	13,442	-1.164		• •	789	; ;	200,424	7 195
Propose Mixtures 61,956 11,696 13,44 -9,87 0 40,165 71,640 Arropane Mixtures 1,640 1,127 1,640 1,641 2,887 0 0 2,389 0 are Propane Mixtures 1,640 1,127 1,640 1,727 1,640 0 2,389 0 0 2,389 0 0 1,050 0 0 1,640 0 1,640 0 1,629 0 0 2,389 0 0 1,629 0 0 2,389 0 0 2,389 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Probane	133 719	81 188	12 912	706.6-	• •	•	200	9	95,023	7.00
Programe Mixtures 1,540 1,1560 1,1560 1,1560 1,1560 1,1560 1,1560 1,1560 1,1560 1,1560 1,1560 1,1560 1,1560 1,1560 1,1560 1,1560 1,1560 1,1560 1,1560 1,1560 1,1560 1,1560 1,1560 1,1560 1,1560 1,1560 1,1560 1,1560 1,1560 1,1560 1,1571 1,1560 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 1,1571 <	Butana	27,00	11,100	210,012	19,000	> 0	> 0	402,0	14,184	209,043	61,564
Perpose (Wildlings) 1,241 1,547 1,549 0 2,383 0 archite (Wildlings) 28,224 222 1,747 -1,549 0 0 2,383 0 archite (Mills) 28,224 222 1,747 -1,249 0 0 140,178 0 of Olls 48 1,245 0 0 140,178 0 15,391 0 140,178 0 dol Olls 48 1,245 0 0 14,478 0 14,478 0 0 14,478 0 0 14,478 0 0 14,478 0 0 14,478 0 0 14,478 0 0 14,478 0 0 14,478 0 0 14,478 0 0 14,478 0 0 14,478 0 0 0 2,902 0 0 14,478 0 0 0 1,471 0 0 0 1,478 0 0	District District High man	000,10	1,000	13,644	/28'A-	5 (5 (40,165	9,536	27,958	26,509
Petropatie Ministres 16,361 0 10,742 -1,564 0 0 0 4 0 0	Duding Tiple Mixings	040,	1,121	5,41/	987	o .	Ö	2,393	0	6,077	1,839
light 28,224 222 0 -2,430 0 0 25,301 0 windsubnerms 16,361 0 78,761 -5,501 0 0 140,178 0 devicentions and Alcohol 15,361 0 0 82,762 -6,843 0 0 16,361 0 ascaline Blending Components 0 0 82,765 -6,843 0 0 87,252 0 Petroleum Products 1 1,343 36,387,480 36,387 6,987 1,245 0 0 154,776 0 0 154,776 0 0 154,776 0 0 154,777 0 0 154,777 0 0 0 25,902 0 0 154,778 0 0 0 154,778 0 0 0 154,778 0 0 0 154,778 0 0 0 0 25,902 0 0 154,778 0 0 0 154,7	Ethane-Propane Mixtures	78,134	5	10,742	-1,564	0	0	48	0	87,264	12,846
winds 16,361 0 78,761 -5,501 0 140,178 0 ydrocarbonis and Alcohol 16,361 0 0 0 272 0 0 15,289 0 sacolire Blending Components 0 0 9,485 1,243 0 0 87,725 0 Petroleum Products 0 0 9,485 1,243 0 0 154,478 Notor Gasoline Blending Components 0 0 0 9,485 1,243 0 0 154,478 Al Lack Gasoline Blending Components 0 0 0 9,485 1,247 0 0 0 154,478 Al Lack Gasoline Blending Components 0 0 0 0 0 0 154,478 0 0 0 154,478 0 0 0 154,478 0 0 0 154,478 0 0 0 154,478 0 0 0 154,478 0 0 0	Isobutane	28,224	222	0	-2,430	0	0	25,301	0	715	10,851
yelrocarbons and Alcohol 15,361 0 69,276 -6,843 0 16,289 0 od Olls assolire Blanding Components 0 69,276 -6,843 0 0 87,572 0 assolire Blanding Components 0 0 9,455 1,245 0 0 87,572 0 Gasolire Blanding Components 0 0 9,457 1,747 0 0 2,902 Autor Gasoline 0 1,915,71 76,104 14,710 0 0 2,902 Aviation Gasoline 0 1,021,71 76,104 14,710 0 0 2,902 Aviation Gasoline 1,021 6,88 212 -127 0 0 2,902 Aviation Gasoline 1,022 8,88 212 -127 0 0 0 2,902 Aviation Gasoline 1,021 4,88 212 -127 0 0 0 1,514 Fuel Oil 1,171 736,99 <t< td=""><td>Other Liquids</td><td>16,361</td><td>O</td><td>78.761</td><td>-5.501</td><td>0</td><td>c</td><td>140.178</td><td>c</td><td>-50 557</td><td>159 999</td></t<>	Other Liquids	16,361	O	78.761	-5.501	0	c	140.178	c	-50 557	159 999
ed Oils	Other Hydrocarbons and Alcohol	15,361	C	C	-72			16.280	• =	66,00	200
Resolitre Blending Components 3,698 3,873,480 365,396 5,5062 0 0 1,245 0 0 35,715 0 Petroleum Products 3,698 3,873,480 365,396 5,5062 0 0 0 2,902 A Loaded Motor Gasoline 452 1,915,711 7,61,04 1,4710 0 0 0 2,902 A Loaded Motor Gasoline 452 1,915,711 7,61,04 1,4710 0 0 0 2,902 A Vation Gasoline 1,021 6,886 2.12 1,277 0 0 0 0 2,902 A Vation Gasoline 1,021 6,886 2.12 1,277 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Unfinished Oils	•	c	60 276	1 C C C	· c		07.540	> <	מלים של	200
Gasoline Blending Components 3,698 3,873,480 365,386 55,062 0 0 154,478 Petroleum Products 3,698 3,873,480 365,386 55,062 0 0 2,902 of Leaded Motor Gasoline 452 861,813 40,220 8,383 0 0 2,902 of Lineaded Motor Gasoline 255 1,031,888 3,512 0 0 0 2,902 of Lineaded Motor Gasoline 1,021 6,886 0 1,065 0 0 2,902 of Lineaded Motor Gasoline 1,021 6,886 0 0 0 2,902 of Lineaded Motor Gasoline 1,021 6,886 0 0 0 0 2,902 of Lipse 1 1,248 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Motor Gasoline Rending Components	o c	0	03,270	10,040	· •	,	210,10	-	670,02	112,120
Petroleum Products 3,698 3,873,480 365,386 55,062 0 0 154,478 A Motor Gasoline 667 1,915,711 75,104 14,710 0 0 0 2,902 ad Unaded Motor Gasoline 667 1,013,133 40,220 8,383 0 0 0 2,902 ad Unaded Motor Gasoline 1,021 6,886 212 1,27 0 0 0 0 0 2,902 ad Unaded Motor Gasoline 1,021 4,458 212 1,27 0 0 0 0 0 2,902 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Author Coopers District Composite	•		201.0	2 9)	> (22,423	-	CAA-000	40,487
Petroleum Products 3,699 3,873,480 365,386 55,062 0 0 154,478 Autor Gasoline 452 1,915,771 76,104 14,710 0 0 0 2,902 Ad Loladed Motor Gasoline 452 1,915,771 76,104 14,710 0 0 0 0 2,902 Ad Unleaded Motor Gasoline 215 1,021 6,888 212 -127 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Aviation Gasoline blending Components	0	o		169	0	0	652	0	-482	323
Motor Gasoline 667 1,915,711 76,104 14,710 0 0 2,902 ad Leaded Motor Gasoline 452 861,813 40,220 8,383 0 0 0 2,902 ad Unleaded Motor Gasoline 1,021 6,888 35,884 32,27 0 0 0 0 2,902 ad Unleaded Motor Gasoline 0 62,268 0 1,065 0 0 0 2,902 ad Lingal 0 62,268 0 1,065 0 0 0 2,902 ad Lingal 0 62,268 0 1,065 0 0 0 2,902 ad Lipe 1 248,699 8,555 -5,267 0 0 0 0 0 1,123 ad Lipe 1 248,699 8,555 -2,294 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 </td <td>Finished Petroleum Products</td> <td>3,698</td> <td>3,873,480</td> <td>365.396</td> <td>55.062</td> <td>0</td> <td>0</td> <td>c</td> <td>154 478</td> <td>4 143 158</td> <td>501.076</td>	Finished Petroleum Products	3,698	3,873,480	365.396	55.062	0	0	c	154 478	4 143 158	501.076
of Leaded Motor Gasoline 452 861,813 40,220 8.383 0 0 0 2,502 ad Unleaded Motor Gasoline 215 1,023,898 35,884 6,327 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <	Finished Motor Gasoline	299	1.915.711	76.104	14 710	· c			2002	2 004 289	187.827
cd Unleaded Motor Gasoline 215 1,053,998 35,884 6,327 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 </td <td>Finished Leaded Motor Gasoline</td> <td>452</td> <td>861.813</td> <td>40 220</td> <td>8 383</td> <td></td> <td></td> <td>o c</td> <td>100,0</td> <td>907,500,</td> <td>62 22</td>	Finished Leaded Motor Gasoline	452	861.813	40 220	8 383			o c	100,0	907,500,	62 22
Aviation Gasoline 1,021 6,886 212 -127 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <th< td=""><td>Finished Unleaded Motor Gasoline</td><td>215</td><td>1.053.898</td><td>35 884</td><td>6.327</td><td>o c</td><td>o c</td><td></td><td>200,2</td><td>1 096 324</td><td>27,00</td></th<>	Finished Unleaded Motor Gasoline	215	1.053.898	35 884	6.327	o c	o c		200,2	1 096 324	27,00
Fuel Oil 24,000 Leg for Petro. Feed: Use 0 73,012 Color Colo	Finished Aviation Gasoline	120	6,888	0.00	-127) C	o c		o c	+20.000,-	94,000
e-Type Jet Fuel	Nanhtha-Type Jet Fuel		62 26B	į	1.00	• •	• •	• 0	, FC	F2 132	101
e 34 32,138 2,306 585 0 0 0 292 Fuel Oil 11 736,907 49,400 22,294 0 0 0 20,112 Fuel Oil 1 736,907 49,400 22,294 0 0 0 20,112 I Fuel Oil 2 2 2 2 0 0 0 1,491 I S + A00 Deg, for Petro, Feed. Use 0 42,994 3,710 55 0 0 0 1,491 Iss > 400 Deg, for Petro, Feed. Use 0 79,015 181 254 0 0 0 1,491 Iss > 400 Deg, for Petro, Feed. Use 0 43,892 2.447 2,545 0 0 0 0 4,446 Iss > 400 Deg, for Petro, Feed. Use 0 4,531 243 4,171 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Kerosene-Type Jet Fuel		248,609	8.555	-5,267	0	0		1 123	250,725	37.268
Fuel Oif Total Oif 736,907 49,400 222,294 0 0 20,112 I Fuel Oil 0 256,823 208,267 16,809 0 0 0 20,112 < 4 do Deg, for Petro. Feed. Use	Kerosene	8	32,138	2,306	585	0	0		292	34.771	10.207
Fuel Oil	Distilate Fuel Oil	*	736,907	49,400	22.294	Ю	0	0	20.112	788.500	163.285
1 < 400 Deg, for Petro. Feed. Use	Residual Fuel Oil	0	255,823	208,267	16,809	0	0	0	58.128	422.771	51.420
Naphthas	Naphtha < 400 Deg. for Petro. Feed: Use	0	42,994	3,710	55	0	0	0	1.491	45,268	1.912
Naphthas 979 16,810 6,356 -10 0 0 949 ts 0 43,892 2,447 2,545 0 0 0 4,887 m Coke 0 125,973 0 1,171 0 0 0 231 and Road Oil 0 118,333 2,394 919 0 0 0 0 59,173 neous Products 0 16,996 5,221 18 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Other Oils > 400 Deg. for Petro. Feed. Use	0	79,015	181	254	0	0	0	4,445	75,004	1.926
ts. 0 43,892 2,447 2,545 0 0 4,887 m Coke 0 4,531 243 41 0 0 0 231 and Road Oil 0 125,973 0 1,171 0 0 0 59,173 neous Products 0 16,592 0 0 0 0 0 0 neous Products 3,124,138 3,972,444 1,511,153 -49,861 58,106 446 3,827,134 229,672	Special Naphthas	979	16,810	6,356	-10	0	0	0	949	23.186	3,484
m Coke 0 4,531 243 41 0 0 231 and Road Oil 0 125,973 0 1,171 0 0 0 59,173 and Road Oil 0 118,333 2,394 919 0 0 0 242 neous Products 0 0 0 0 0 0 0 0 neous Products 0 0 0 0 0 0 0 3,124,138 3,972,444 1,511,153 -49,861 58,106 446 3,827,134 229,672	Lubricants	0	43,892	2,447	2,545	0	0	0	4.887	43,996	10,636
m Coke	Waxes	c	4.531	243	4	C	c	c	Š	4 584	745
and Road Oil	Petroleum Coke	. 0	125.973	9	1.171		· a	c	59 173	67.971	5 550
neous Products 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Asphalt and Boad Oil	· C	118 333	2 394	919	· c	c	· c	040	101.00	18.350
neous Products 985 16,996 5,221 18 0 0 301 301 301 301 446 3,827,134 229,672	Still Goo	o c	166 502	,	<u>?</u> C	o c	•	o c	7	101,101	000
neous Froducts	July GdS	2 6	750,001	2 6	> ç	> <	5 6	> (<u>ح</u> د	266,592	ے ب
3,124,138 3,972,444 1,511,153 -49,861 58,106 446 3,827,134 229,672	Miscellaneous Products	985	16,996	5,221	Σ	o	0	0	301	22,918	1,901
	Total	3,124,138	3,972,444	1,511,153	-49,861	58,106	446	3,827,134	229,672	4,558,729	1,511,878
								.,			į

Unaccounted for crude oil is a balancing item.
 Less than 500 barrels.
 = Estimated.
 Note: Total may not equal sum of components due to independent rounding.
 Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 4. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, October 1983 (Thousand Barrels per Day)

			Supply				Disposition	Sition	
Соптодіх	Field Produc- tion	Refinery Produc- tion	Imports	Stock With- drawal (+) or Addi- tion (-)	Unac- counted For Crude Oil1	Crude	Refinery Inputs	Exports	Products Supplied
Crude Oil (including lease condensate)	E 8,654	o	3,446	-180	69	**	11,784	140	63
Natural Gas Liquids and I RGs	1 503	344	1	7	c	•		Ş	,
Natural Gasoline and Isonentane	1,132	,	3	- 6	3 C	-	407	35.0	3,496
Infractionated Stream	2 4		0 6	1 6		> (2	-	Ξ'
Plant Condensate	2 4	0 0	5 0	0/- (3)	- 6	0	- 6	5 6	> {
	2 7	3	0 6	(e)	> (5 (8	- ((e)
Thought resolution devices	446,	4 8	9	چې (·	0	268	35	1,487
District in the second	9 5	Q 1	<u>p</u>	7	.	o	N 1	(s)	211
Piopara	46/	565	ရှင်း	8	0	0	ur)	17	773
outane	214	53	8	-15	0	0	174	15	127
Butane-Propane Mixtures	ທ	4	20	7	0	0	우	0	6
Ethane-Propane Mixtures	277	0	18	ማ	0	0	0	0	292
Isobutane	100	N	0	-25	0	0	7.7	0	(s)
Other Liquids	53	o	266		c	c	502	c	-176
Other Hydrocarbons and Alcohol	<u> </u>			g	• 6		3	• 6	:
Linfinished Oile	9 5	> c	970	(£	-		2 6	0	> ;
Motor Gasoline Blending Components	o c)	9 6	<u>- 1</u>	> c	5 6	307	0	4 5
Aviation Gasoline Riending Components	o c	0 6	9 6	: •		.	0 1 1	9 0	25. 2
Avadori dascinie ofcilulis comportelis	0	.	0	(e)	5	-	<u>(a)</u>	>	0
Finished Petroleum Products	=	12,927	1,367	-340	0	0	0	404	13,561
Finished Motor Gasoline	01	6,186	335	9	0	0	0	2	6,581
Finished Leaded Motor Gasoline	۳	2,732	123	27	0	0	0	CV	2,882
Finished Unleaded Motor Gasoline	-	3,454	211	33	0	0	0	0	3,698
Finished Aviation Gasoline	L/C)	22	(S)	ო	0	0	0	0	8
Naphtha-Type Jet Fuel	0	161	0	23	0	0	0	<u>(s)</u>	183
Kerosene-Type Jet Fuel		847	49	-74	0	0	0	*	822
Kerosene	(s)	137	12	ဗု	0	0	0	7	109
Distillate Fuel Oil	0	2,682	255	-275	0	0	0	55	2,606
Residual Fuel Oil	0	799	634	-56	0	0	0	153	1,224
Naphtha < 400 Deg. for Petro. Feed, Use	0	142	t3	2	0	0	0	σ	143
Other Oits > 400 Deg. for Petro. Feed. Use	0	264	(s)	7	0	0	0	7	265
Special Naphthas	ო	63	8	-10	o	0	0	N	84
Lubricants	0	159	13	₽	0	0	0	16	167
Waxes	0	16	(9)	(s)	0	0	0	-	5
Petroleum Coke	0	421	0	-53	0	0	0	152	246
Asphalt and Road Oil	0	430	8	25	0	0	0	(s)	463
Still Gas	0	548	0	0	0	0	0	0	548
Miscellaneous Products	-	5	27	7	0	0	0	-	77
Total	10 317	12 974	250 2	563	g	7	19 754	363	14.044
· VIGI	16,000	10,41	J. C. J.	000	ŝ	•	16,104	270	146,41

Unaccounted for crude oil is a balancing item.
 Less than 500 barrels.
 E = Estimated.
 Note: Total may not equal sum of components due to independent rounding.
 Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 5. Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January - October 1983 (Thousand Barrels per Day)

			Supply				Dispo	Disposition	
Commodity	Field Produc- tion	Refinery Produc- tion	Imports	Stock With- drawal (+) or Addi- tion (-)	Unac- counted For Crude Oil1	Crude	Refinery Inputs	Exports	Products Supplied
Crude Oil (including lease condensate)	E 8,663	0	3,311	-245	191	-	11,685	169	65
Natural Gas Houids and P. B.C.	1 547	326	400	8	c	c	777	9	1
Natural Gasoline and Isonentane	747	3	5	7	o c	o c	180	9 0	740A
Intractionated Stream	; «	o c	· C	ָּהְ בְּיִר	o c	.	70-	3 C	_ <
Plant Condensate	3 2	o c	o 1~	3 6	o c	0 =	- 2-	0 0	٥ و
Liquefied Petroleum Gases	125	326	185) G	o C	-	5 8) Œ	1 308
Ethane	255	9	3 4	3 4	0	0	3 60) (g)	908
	440	267	42	7	0	0	4	47	888
Butane	204	38	46	35	0	0	132	<u>.</u>	86
Butane-Propane Mixtures	2	4	18	-	0	0	8	0	8
Ethane-Propane Mixtures	257	0	35	ιņ	0	0	<u>(s)</u>	0	287
Isobutane	83		0	٣	0	Φ	83	0	8
Other Liquids	75	0	259	20	0	G	461	o	-166
Other Hydrocarbons and Alcohol	72	0	0	: (S)	0	0	Z,	0	90
Unfinished Oils	0	0	228	£2-	0	0	288	0	, 2 8
Motor Gasoline Blending Components	0	0	31	4	0	0	118	0	-82
Aviation Gasoline Blending Components	0	0	Œ.	Ψ-	0	0	Q	0	-5
Finished Petroleum Products	12	12.742	1.202	181	0	c	C	508	13 690
Finished Motor Gasoline	i a	6,302	250	48	0	0	0	9	6,593
Finished Leaded Motor Gasoline	-	2,835	132	58	0	0	0	10	2,987
Finished Unleaded Motor Gasoline	***	3,467	118		0	0	0	0	3,606
Finished Avration Gasoline	r) (8 6 8 1	 (<u>(6)</u>	0 (0 6	0 (φ,	58
Naphra-type Jet Fuel		55	<u>ې</u> د	4 Ļ	o c	50	-	- *	208
Kerosene	() (g	106	O eq	<u>-</u> «	00	o c	o c	+	114
Distillate Fuel Oil	<u>(</u>	2.424	. £	. EZ		0	0	. gg	2.594
Residual Fuel Oil		845	685	55	0	0	0	191	1,391
Naphtha < 400 Deg. for Petro. Feed. Use	0	141	12	©	0	0	0	ιO	149
Other Oils > 400 Deg. for Petro, Feed. Use	0	260	Ψ-	-	0	0	0	15	247
Special Naphthas	თ (£7;	21	(s)	0	0	0	က	76
Lubricants	0	144 44	œ ·	6 0	0	0	0	16	145
Waxes	0	15	y - (<u>s</u>	0	0	0	 !	5
Petroleum Coke	0	414	0	4 (0 (0	0 (195	224
Asphalt and Road Oil	00	386	30 C	m c	0	00	00	- ¢	333
Miscellanous Products	5 m	5 4 10	> Ç) (8)	÷c	> C	> C	> ₹	9.46 4.75
אוארבווקו ובתק בוסמקקים	o	B	Ξ	Ē	Þ	5	>		C/
Total	10,277	13,067	4,971	-164	191	-	12,589	755	14,996

Unaccounted for crude oil is a balancing item.
 Less than 500 barrels.
 E = Estimated.
 Note: Total may not equal sum of components due to independent rounding.
 Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 6. PAD District I, Supply and Disposition of Crude Oil and Petroleum Products, October 1983 (Thousand Barrels)

			ing	Supply				Disp	Disposition		
Commodity	Field Produc- tion	Refinery Produc- tion	Imports	Stock With- drawal (+) or Addi- tion (-)	Unac- counted For Crude Oit1	Net Receipts	Crude	Refinery	Exports	Products Supplied	Ending Stocks
Crude Oil (including lease condensate)	E 2,350	0	23,780	588	-378	4,285	F	30,624	0	0	15,270
Natural Gas I ionids and I BGs	836	OZ6	454	-207	ć	4	d	,	7	7007	4
Liquefied Petroleum Gases	702	940	327	-267	•	2511) C	3 8	לי לי לי לי	4,304	6,100
Other Products2	134	0	124	9	0	0	0	101	50	217	35
Other Liquids	89	0	4,021	737	0	232	0	4.488	0	570	20,505
Other Hydrocarbons and Alcohol	89	0	0	38	0	0	0	106	0	0	125
Unfinished Oils	0	0	3,732	6	0	232	0	3,003	0	912	15,714
Motor Gasoline Blending Components	0	0	289	753	0	0	0	1,384	0	-342	4,654
Aviation Gasoline Blending Components	0	0	0	ςŗ	0	0	0	τ̈́	0	0	12
Finished Petroleum Products	£	35,727	36,241	-10,086	0	78,381	0	o	365	139,941	182,809
Finished Motor Gasoline	3	16,464	9,178	1,591	0	42,406	0	0	32	69,650	57,100
Finished Leaded Motor Gasoline	52	6,080	2,928	1,569	0	15,455	0	0	32	26,025	28,467
Finished Unleaded Motor Gasoline	18	10,384	6,250	22	0	26,951	0	0	0	43,625	28,633
Finished Aviation Gasoline	0	ខ	(S)	-	0	161	0	0	0	184	449
Naphtha-Type Jet Fuel	0	310	0	4	0	313	0	0	<u>(s)</u>	664	605
Kerosene-Type Jet Fuel	0 (769	1,453	-1,082	0	9,563	0	0	0	10,703	10,059
Kerosene	0	88 6	330	-783	0	807	0	0	2	382	4,188
Distillate Fuel Oil	5 (8,609	7,515	-7,108	φ.	16,040	0 (0	100	24,956	74,614
Naphtha and Other Oils for Detro Food	-	2,423	3.5	/9/1-	> c	7,722	> 0	0	(s)	25,478	25,296
Special Naphthae	o c	2 %	ī a	1 4		3 6	> C		j u	000	0,00
l uhrimants	· C	674	376	8	o c	613	,	o c	2 2	1 2 2	2 6
Waxes	· c	26	9 (4	7	· c	5	o c	o c	Ž R	3 5	5.03
Petroleum Coke	· c	1 190	o c	177	o c	<u> </u>	o c	o c	ק ר	2 8	500
Asphalt and Boad Oil	0	2.988	259	008	c	319	• с	o c	3 °	2 763	7,110
Still Gas	0	1.673	0	٥		0	0	0	· c	1 673	
Miscellaneous Products	0	130	က	8	0	174	0	0	4	353	333
Total	3,297	36,667	64,493	-8,968	-378	85,409	-	35,245	400	144,875	224,750

Unaccounted for crude oil is a balancing item.
 Includes natural gasoline, isopentane, unfractionated stream, and plant condensate.
 Includes natural gasoline, isopentane, unfractionated stream, and plant condensate.
 E Estimated.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 7. PAD District II, Supply and Disposition of Crude Oil and Petroleum Products, October 1983 (Thousand Barrels)

			Sug	Supply				Disp	Disposition		
Commodity	Field Produc- tion	Refinery Produc- tion	Imports	Stock With- drawal (+) or Addi- tion (-)	Unac- counted For Crude Oil1	Net Receipts	Crude	Refinery	Exports	Products Supplied	Ending Stocks
Crude Oil (including lease condensate)	E 32,389	0	14,247	2,665	33,602	1,793	9	84,349	341	0	74,291
Natural Gas Liquids and LRGs	9,348	2,298	2,928	405	0	3,965	0	4,909	302	13,733	43,034
Liquefied Petroleum Gases	9,245	2,298	2,928	1,162	00	2,441	00	3,286	302 0	14,486	37,340 5.694
	•	1)	į)	1	1		,	}	1
Other Liquids	405	0	193	-2,324	0	824	0	-323	0	-579	26,068
Other Hydrocarbons and Alcohol	405	0	0	-34	0	0	0	371	Q	0	136
Unfinished Oils	0	0	193	-2,232	0	-267	0	-2,112	0	-194	18,285
Motor Gasoline Blending Components	0	0	0	89	0	1,091	0	1,408	0	-385	7,537
Aviation Gasoline Blending Components	0	0	0	10	0	0	0	5	0	0	110
Finished Petroleum Products	9	90.174	1,266	-1.544	0	22,859	0	0	141	112,620	124,638
Finished Motor Gasoline	0	50.016	, 74	518	0	13,323	0	0	7	63,921	57,724
Finished Leaded Motor Gasoline	0	24,343	56	8	0	6,868	0	0	7	31,237	28,913
Finished Unleaded Motor Gasoline	0	25,673	13	541	0	6,455	0	0	0	32,684	28,811
Finished Aviation Gasoline	0	71	0	94	0	228	0	0	0	393	529
Naphtha-Type Jet Fuel	0	949	0	-389	0	200	0	0	0	760	1,753
Kerosene-Type Jet Fuel	0	4,239	0	493	٥	1,316	0	0	0	5,062	8,004
Kerosene	0	739		-291	0	38	0	0	-	485	2,390
Distillate Fuel Oil	0	19,474	136	-1,650	0	6,797	0	0	(S)	24,757	40,771
Residual Fuel Oil	0	2,006		-357	0	နှ	0	0	0	1,882	3,819
Naphtha and Other Oils for Petro. Feed	0	754		4	0	<u> 2</u> 0	0	0	45	764	213
Special Naphthas	o	551		-112	0	<u> </u>	0	0	•	760	662
Lubricants	٥	384	-	-58	0	410	0	0	2	1,226	1,981
Waxes	0	54		4	0	0	o	0	(s)	25	4
Petroleum Coke	0	3,186	0	26	0	٥	0	0	8	3,179	299
Asphalt and Road Oil	0	3,571	ო	1,113	0	601	0	٥		5,287	5,804
Still Gas	0	3,532	0	0	0	0	0	0	0	3,532	0
Miscellaneous Products	9	148	571	15	0	-178	0	0	Ø	561	214
Total	42,148	92,472	18,633	-798	33,602	29,441	9	88,935	783	125,774	268,031
											Ĭ

Unaccounted for crude oil is a balancing item.
 Includes natural gasoline, isopentane, unfractionated stream, and plant condensate.
 Less than 500 barrels.
 Estimated.
 Note: Total may not equal sum of components due to independent rounding.
 Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 8. PAD District III, Supply and Disposition of Crude Oil and Petroleum Products, October 1983 (Thousand Barrels)

			ng	Supply				Disp	Disposition		
Commodity	Field Produc- tion	Refinery Produc- tion	Imports	Stock With- drawal (+) or Addi- tion (-)	Unac- counted For Crude Oil1	Net Receipts	Crude	Refinery	Exports	Products Supplied	Ending Stocks
Crude Oil (including lease condensate)	. E 128,517	0	62,163	-9,637	-21,427	12,361	0	171,948	•	52	532,180
Natural Gas Líquids and LRGs	35,600	6,272	1,245	-3,755	0	-5,182	0	8,137	550	25,493	85,297
Other Products2		0	278	-1,022	00	-4,830 -352	00	4,117 4,020	220 0	25,159 334	73,150 12,147
Other Liquids	862	0	3.749	2.558	0	-1.344	•	12 490	c	5,665	70. 225
Other Hydrocarbons and Alcohol	. 862	0	0	9	0	0	0	868	0	0	117
Motor Configs Distant		0	3,581	3,612	0	-253	0	9,773	0	-2,833	51,106
Aviation Caroline Diopling Components		0 (168	-1,043	0 (-1,091	0	1,866	0	-3,832	18,927
Aviauori Gasoline biending Components	·	0	0	-17	0	O	0	-17	0	0	175
Finished Petroleum Products	. 278	193,263	3,131	-1,624	0	-103,880	0	0	5,746	85,422	131,103
Finished Motor Gasoline	°	89,232	533	-1,959	0	-57,462	0	0	0	30,344	49.044
Finished Leaded Motor Gasoline		36,890	533	-927	0	-23,233	0	0	0	13,263	24,415
Finished Unleaded Motor Gasoline		52,342	0	-1,032	0	-34,229	0	0	0	17,081	24,629
Finished Aviation Gasoline	. 159	393	0	٦	0	406	0	0	0	145	837
Naphtha-Type Jet Fuel		2,049	0	792	0	-514	0	0	0	2,327	1,772
Kerosene-Type Jet Fuel		13,629	ო	-686	0 (-11,372	0 (0 (0	1,574	12,304
Dietiloto Engl Oil		3,135	8	20.5	> <		٥,	5 (216	2,281	3,121
Residual Fuel Oil	, ,	10.953	1 444	e 5	- C	-23,092 -7,657	5 C	o c	271	17,000 3,145	34,608
Naphtha and Other Oils for Petro. Feed.	۰.	10,974	129	162	0	5.	0	Φ	38.	10.832	3.058
Special Naphthas	91	1,315	734	-94	0	-392	0	0	36	1,606	1.684
Lubricants		2,978	7	282	0	-1,163	0	0	287	1,819	4,463
Waxes	0	256	(s)	60	0	-10	0	0	24	230	456
Petroleum Coke		5,444	0	-558	0	0	0	0	2,732	2,154	1,509
Asphalt and Road Oil		3,787	0	9	0	-920	0	0	(8)	2,958	3,574
Still Gas		7,820	0	0	0	0	0	0	0	7,820	0
Miscellaneous Products	ヌ	1,034	245	-122	0	4	0	O	ω	1,189	1,104
Total	165,257	199,535	70,287	-12,458	-21,427	-98,045	0	192,575	6,295	104,279	818,905

Unaccounted for crude oil is a balancing item.
 includes natural gasoline, isopentane, unfractionated stream, and plant condensate.
 Less than 500 barrels.
 E stimated.
 Note: Total may not equal sum of components due to independent rounding.
 Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 9. PAD District IV, Supply and Disposition of Crude Oil and Petroleum Products, October 1983 (Thousand Barrels)

			Sur	Supply				Dispo	Disposition		
				Stock	1						i Constant
Commodity	Field Produc- tion	Refinery Produc- tion	Imports	drawal (+) or Addi-	counted For Crude Oil1	Net Receipts	Crude	Refinery Inputs	Exports	Products Supplied	Stocks
Crude Oil (including lease condensate)	E 16,821	0	1,345	89	-4,380	0	0	13,712	0	٠	12,889
	67.2	F	202	or i	c	1 204	-	515	•	1.368	1.159
Natural Gas Liquids and LRGs	2,548 035	2 5	200	15	•	-122	• 0	2 gg	0	970	569
Other Products ²	1,613	0	12	<u> </u>	0	-1,172	0	152	0	398	290
		0	. 83	-721	0	0	0	-1,185	0	557	4,777
Other Understand and Alcohol	· c	C		0	0	0	0	0	0	0	0
Unfairehod Oile	0	0	8	089	0	0	0	-1,188	0	601	3,155
Motor Gosofine Blanding Components	٥	0	0	4	0	0	0	ო	0	4	1,622
Aviation Gasoline Blending Components	0	0	О	0	0	0	0	0	0	0	0
Civieted Detroloum Dradurie	. ~	13.143	341	-92	0	800	0	0	2	14,197	9,436
This is a few order Product	. 4	6.479	161	-362	0	735	0	0	0	7,017	4,665
Entrade Lodge Mater Cooping	4	4 096	132	-271	0	297	0	0	0	4,258	2,918
Finished Thleaded Motor Gasoline	0	2,383	53	-91	0	438	0	0	0	2,759	1,747
Finished Aviation Gasoline	0	8	0	-53 -	0	17	0	o	0	24	8
Nachtha-Type let Fixel	0	393	0	,	0	-115	0	0	0	2 44	351
Kerosene-Type Jet Fuel	0	119	0	-52	0	371	0	0	0	930	766
Kerosene	0	24	٥	ຕ	0	0	0	0	0	27	27
₽	0	3,724	141	23	0	-208	0	0 (0 (3,710	2,632
Residual Fuel Oil	0	298	39	83	0 (0 (0 (0 (۰ د	ecs.	452
Naphtha and Other Oils for Petro. Feed	0		O (T '	0 (0 0	-	5 6	- 9	ī	n o
Special Naphthas	0 (- 5	5	- •	> c	o c	.	o c	5	7 %	
Lubricants)	77	<u>e</u>	ī	9 6	> C	.	oc	(8)	; ⊊	•
Waxes		0.00	o.c	ָרָי כְּי	o c	o C	· c	•	0	293	133
Petroleum Coke		1 1. 1 1.	· C	287	c	0	0	0	-	1,001	279
Asphait and Hoad Ull	,	507	C	0	0	0	0	0	0	202	0
Still Gas	e (r)	45	(S)	0	0	0	0	0	0	48	ហ
Total	19,376	13,213	2,367	606-	-4,380	494	0	13,042	61	16,129	28,261

Unaccounted for crude oil is a balancing item.
 Includes natural gasoline, isopentane, unfractionated stream, and plant condensate.
 Less than 500 barrels.
 Estimated.
 Note: Total may not equal sum of components due to independent rounding.
 Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 10. PAD District V, Supply and Disposition of Crude Oil and Petroleum Products, October 1983 (Thousand Barrels)

			100 	Alcong			: -	i i	Disposition		
Commodity	Field Produc- tion	Refinery Produc- tion	Imports	Stock With- drawal (+) or Addi- tion (-)	Unac- counted For Crude Oil1	Net Receipts	Crude	Refinery Inputs	Exports	Products Supplied	Ending Stocks
Crude Oil (including lease condensate)	E 88,189	0	5,286	862	-5,267	-18,439	ន	64,681	3,995	1,932	83,593
Natural Gas Liquids and LRGs	1,054	1,082 1,082	282 282 283	44	0 00	6 00	000	781 509	101 101	1,489	3,600 3,554
		•	•	ī	•	>	0	212	>	261	46
Other Hydrocarbons and Alcohol		o c	193	-222	0 (288	0	102	0	658	31,648
Unfinished Oils	3	0	o &	126	-	0 000	00	505	0 0	0 5	5 22
Motor Gasoline Blending Components	•	0	191	-114	0	30	0	447	00	101	73,50
Aviation casoline Blending Components	0	0	0	14	0	0	0	7	0	0	: X
Finished Petroleum Products	•	68,445	1,403	2,811	0	1,840	0	0	6.277	68 221	53.090
rinished Motor Gasoline	:	29,580	437	2,064	0	966	٥	0	12	33 067	19 294
Finished Leaded Motor Gasoline	;	13,295	177	490	0	613	0	0	, Ç	14,563	9059
Finished Unleaded Motor Gasoline	0	16,285	260	1,574	o	385	0	0	0	18,504	10,235
Noohthe Time 14 First	0	1	0	93	O	0	6	0	0	194	536
Kersepse Let Fuel	o (1,295	0	271	0	116	0	0	0	1,682	1,643
Kerosene	:	66,9	78	e :	0	122	0	0	54	7,205	6,135
Distillate Fuel Oil	э c	11,086	(s)	99.	0 (0 (0	0 (0	202	481
Residual Fuel Oil		90.0	765	- 1	o c		> C	-	088.0	70,369	10,660
Naphtha and Other Oils for Petro. Feed,		523	0	212	0	0	0	0 0	17	718	0,604
Special Naphthas	0 :	73	14	40	0	0	0	٥	· m	125	287
Lubricants		371	(s)	ကု	0	141	0	0	47	462	1 225
Waxes		68	Ø	-	0	0	0	0	G	99	53
Petroleum Coke		2,950	0	-58	0	0	0	0	1,888	1,004	2.149
Asphalt and Hoad Oil		2,274	0	11	0	0	0	0	4	2,347	1.574
		3,468	0	0	0	0	0	0	0	3,468	0
Miscellaneous Products	c :	213	∞	φ	0	O	0	0	ιΩ	222	245
Total	89,744	69,527	7,163	3,404	-5,267	-16,311	ន	65,564	10,373	72,300	171,931

Unaccounted for crude oil is a balancing item.
 Includes natural gasoline, isopentane, unfractionated stream, and plant condensate.
 Less than 500 barrels.
 Estimated.
 Note: Total may not equal sum of components due to independent rounding.
 Sources and estimation procedures. See Explanatory Notes on Data Collection and Estimation.

Table 11. Production of Crude Oil (including Lease Condensate) by PAD District and State, for the Most Currently Available Month,
(Thousand Barrels)

	Produ	Production	1
PAD District and State	Total	Daily Average	
PAD District I			
Flonda	1,581	<u>.</u>	a.
New York	E 74	2 °	
Pennsylvania	ท 364	1 1 2 c	
Virginia	л 4 с	⊃ ;	
West Virginia	0 0	<u>-</u> °	
Adjustment 2	100 E 2 458	E 79	
I OIZI FAD DISHING L))	
PAD District II		i	O.
Illinois	2,460	79	
Indiana	495	9	
Kansas	6,344	5 02	
Kentucky	6/8	7 6	
Michigan	1 4,40/ 11 17	3 t	
Missour	1 7 7 7 47	- (
Neoraska	4.204	136	
	E 1,238	E 40	
Oklahoma	13,985	451	
South Dakota	103	ო	
Tennessee	95	ന	
Adjustment 2	-171	φ	
Total PAD District II	E 32,479	E 1,048	
PAD District III	1 503	ŭ	-
Alabama	1,036	รี ถูก น	
Arkansas	1,00	r JC	1
Louisiana	07 4 40	11	
Gulf Coast	6846 6846	502,1 10	
Rest Of State	E 40 281	E 1 299	
Total Louisiana	2.671	98	
Mississippi	i		
Nothington	555	18	
Note the second s	5.847	189	
TAME Novement Novemen	6,402	207	
Total Year MeANO			
TRAC District 01	2,090	29	
TRBC District 02	3,396		
TRRC District 03	€ 10,305	r 332	
TRRC District 04	2,347	9, 19	
TRRC District 05	776	ន្ទ	
District	3,490	7) C	
TRRC District 07B	Z,8/0	2 6	
TRAC District 07C	2,697	5	
TRRC District 08	19,379	22.0	
TRAC District 08A	19,009	20.0	
TRRC District 09	3,218	104	
TRBC District 10	1,767	<u>/</u> 6	
Fact Toyas	4,304	138	
Total Texas	E 75,854	ii 2,447	
Adjustment 2	97	י ני	
Total PAD District (II	€ 128,498	F 4,145	

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PAD District IV	Total	Daily Average
PAD District IV		Average
PAD District IV		
. (
Colorado	2,419	78
Montana	2,468	80
	E 2,446	E 79
Minoring	E 9,607	E 310
MYYOTHIRIS	225	7
	E 17,165	E 554
PAD District V		
Alaska		
South Alaska	2,015	65
North Stope	50,600	1,632
Adjustment for Alaska ²	466	5
	53,081	1,712
Arizona	8	,
California		;
Central Coastal	6,369	502
East Central	21,502	694
North	ភ	(s)
South	6,561	212
1	34,447	1,11
Newala	25	2
Adjustment for Anyone California and Nevada2	53	-
Total PAD District V	87,634	2,827
	É 268 234	€ 8,653

United States Total	Stop, East,	

Table 12. Natural Gas Processing Plant Production of Petroleum Products by PAD District, 1 October 1983 (Thousand Barrels)

	PA	PAD District			PA	PAD District	=				PAD Dietrict	1		-	⊢	6	
Commodity	Coast	Appala- chian #1	Total	Appala- chian	Ind.,	Minn., Wisc.,	Okla. Kans.	Total	Texas	Texas	e jij	د أو	New	Total	Dist. IV [West V	United
			1			Calva				Coast	Coast				_	Coast	
Natural Gooding and International	414	422	836	_	1,696	499	7,152	9,348		3.193	7.458	730	3.811	35,600	9 54B	1 054	300.07
Infractionated Chases	∯.	4 :	g:	0	7	72	1,431	1,574		-1,013	1,320	123	376	2,364	347	436	A B 14
Plant Condensate	> (4.	4,	(935	109	-2,312	-1,567	11,631	-11,667	379	67	2,355	2,765	1.126	ş uņ	2,360
I interfed Patroleum Conce	2 0	2	<u>-</u>	5	20	27	ြင	96		2	33	5	4	321	140	· c	25
Ethane	8	3	9 6	٥ (971	8	7,983	9,245		15,803	5,727	522	1,076	30,150	935	833	41.655
Propage	± ç	- 1	ē 8	5 6	3	0	1,032	1,483		3,881	1,960	8	101	6,920	22	0	8.712
Butane	n 0	8 8	3 5	0	392	83	2,813	3,388		4,710	1,779	169	475	9,826	649	364	14.481
Butane Propage Michigan	8	8	ğ '	-	2	g	1,157	1,329		2,612	9/9	204	249	4.697	263	214	6.25
Ethana Dranana Michiga	> (9 1	0	0	0	0	ιC	ιΩ		45	-	5	0	116	C		156
Pobritone	o į	ې ٥	0 ;	0	0	0	2,506	2,506		3,072	722	2	<u>7</u>	6,069		} =	8.575
17711111111111111111111111111111111111	~	2	8	0	22	12	470	534		1,483	589	5	87	2,522	4C)	2	3,106
Finished Petroleum Products	5	0	4	c	•	c	ц	ū	ò	1	(ı	•	į	ı		
Finished Motor Gasoline	43	· C	÷ 5	• •	- c	0	0 0	0 (60	٠ (> (o ·	N	278	_	0	334
Finished Leaded Motor Gasoline	, u	, c	? 2		•	o •	۰ د	۰ د	Э.	0	0	0	0	٥	4	0	47
Finished Unleaded Notor Gasoline	3 9	0	9 5	> 0	> 0	۰ د	O	0	0	0	0	0	0	0	4	0	83
Finished Aviation Gasoline	<u>o</u> c	> 0	9 0	> 0	> (•	0	0	0	0	0	0	0	0	0	0	32
Nachtha-Type Jet Filel	> 0	> 0	-	o c	-	۰ د	φ.	0	20	0	0	0	0	159	0	0	159
Karoeana-Tyna lat Enal	•	> 0	، د	> (.	-	0	0	0	0	0	0	0	0	0	0	0
Kerocene	> 6	> (۰ ج	۰ د	0	0	0	O	0	0	0	0	0	0	0	0	0
Distillate Time Of	0	0	0	0	0	0	0	0		0	0	-	8	4	C	¢	4
Cooper Nonthing	.	ο.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	· C
Miscellanous Bradusts	D (0	0	0	0	0	0	0	₩	0	0	0	0	25	0	0	8
Miscellareous Products	0	0	0	0	-	o,	ın	ø	ន	7	0	4	0	34	က	0	. 4
Total Production	457	422	879	-	1,697	499	7,157	9.354	20.672	3.200	7.458	735	8,00	25 878	2 555		720
						!		,		1	?	?		2,2,2	, ,	<u> </u>	77.50

Production represents quantity of natural gas processing plant output less input to fractionating facilities. Source: See Explanatory Notes on Data Collection and Estimation.

Table 13. Refinery Input of Crude Oil and Petroleum Products by PAD District, October 1983 (Thousand Barrels, Except Where Noted)

	ΔQ	DAD Dietrict	_		PAI	PAD District	=				PAD Dis	District III			PAD	PAD	1
Commodity	East Coast	Appala- chian #1	Total	Appala- chian #2	≣, Ky,	Minn., Wisc., Daks.	Okla., Kans., Mo.	Total	Texas	Texas Gulf Coast	Coast	No. La., Ark.	New Mexico	Total	Dist. IV Rocky Mt.	Dist. V West Coast	United
Crude Oil (including lease condensate) 28,147	28,147	2,477 ;	30,624	1,940	56,692	6,868 1	18,849	84,349	14,841	93,093	57,062	5,268	1,684	171,948 13,712		64,681	365,314
Natural Gas Liquids Notice Conding and Isonomians	101	c	101	c	484	15	908	1,543	1,227	1,618	365	40	101	3,351	102	272	5,369
Cassific and isoperitated	<u> </u>	o c	; c	· c	}	; c	0	0	0	0	0	0	0	0	0	0	0
Unitacionated Stream	> 0	,	•	•	o o		÷ 5	8	· C	485	0	183	-	699	က	0	799
Plant CondensatePlant Condensate	> 8	> 0	2 6	> 5	3 6	200	1 0	3000	757	1 6.41	7,50	146	8	4 117	363	509	8.307
Liquefied Petroleum Gases	8	ထ	Ŋ ¢	<u>3</u> °	5),	è	5	0 0 0 0	ţ <	<u>.</u>	2	2	3 0	æ	3	3	9
Ethane	0 (0 (-	-	> 6	> 0	o c	> a	, ,	> <	3 4	0	o c	3 2	o LC	4	149
Propane	0	0	5	-	8	> ;	9	9 1	ij	,	? ?	6	•	1 6	ċ	080	703
Butane	0	9	ဖ	සි	977	224	656	1,937	321	1,376	1,243	2 ()	019	612	9 6	200
Rutane-Pronane Mixtures	0	Q	0	0	Ŋ	0	0	ហ	0	83	4	0	5	142	50	95	305
City on Dispose Michigan	-	c	_	0	0	0	0	0	0	0	٥	0	0	0	0	0	0
Sobutanesobutane	. 9g	0	20	8	729	83	404	1,276	386	182	157	113	g	861	46	175	2,384
, in the second																	
other Everycathons and Alcohol	92	0	106	0	371	0	0	371	ස	535	300	0	თ	868	0 9	505	1,850
Unfinished Oil (net)	2,974	83	3,003	34	-2,052	-122	58	-2,112	181	6,657	2,630	300	ഹ		-1,188	ဓ	9,506
Motor Gasoline Blending Components (net)	1,394	-10	1,384	ማ	808	-20	622	1,408	-92	-124	2,091	-26	17	1,866	ო	-447	4,214
Aviation Gasoline Blending	14	c	ų	c	Ŧ	c	7	9	0	O	<u>6</u>	0	0	-17	0	4	8
Components (net)	?	•	?	•	•	•	•	!	•								
Total Input to Refineries	32,743	2,502	35,245	2,131	58,162	7,164	21,478	88,935	16,921	103,907	63,987	5,911	1,849	192,575 13,042	13,042	65,564	395,361
Crude Oil Distillation				٠			;	9	į	i	,	ř.	is is	270	444	0 114	11 074
Gross Input (daily average)	935	8 7	1,014 1,647	8 8	1,845 2,351	232 262 262	610 814	2,756 3,526	611	3,903	2,547	292	8 <u>6</u> 5	7,463	229	3,118	16,313
Operating Ratio (percent)1	63.5	45.9	61.6	104.3	78.5	78.6	75.0	78.2	79.7	78.9	72.8	58.0	5.0	75.6	6.67	97.9	4.0
Crude Oil Qualities																	
Sulfur Content, Weighted Average	,	ć	ď	7.3	ò	1 17	6	æ	8	00	66	1.50	53	96.	.92	86:	.95
(percent) API Gravity, Weighted Average	31.02	40.93	31.88	36.21	35,34	32.00	37.79	35.64	37.55	34.61	33.89	31.93	39.82	34.60	35.55	25.64	33.02
	4	174	1 6.47	99	2 251	200	814	3.526	611	3.903	2,547	295	107	7,463	559	3,118	16,313
Operable Capacity (daily average) Oberating	1,329	110	1,439	8 8	2,189	8 23	222	3,230	557	3,579	2,109	227	701 0	6,580	528 31	2,850 268	14,627 1,687
dle	143	2	8	0	101	42	85	236	7	326	£	8	>	Š	5	3	:00':

1 Represents gross input divided by operable capacity.
Note: Total may not equal sum of components due to independent rounding.
Source: See Explanatory Notes on Data Collection and Estimation.

Table 14. Refinery Production of Petroleum Products by PAD District, October 1983 (Thousand Barrels)

	1	PAD District	-											İ			
Commodity	1	Appala-		Appala-		OUSING ONLY	= 0				PAD Dis	District III			PAD	PAD	
Singuista de la companya della companya della companya de la companya de la companya della compa	Coast	chian	Total	chian	II. Ky.	K K	Kans.	Total	Texas	Gulf	ej jā	ď	New	Total	Dist. IV	Dist. V	United
]	*		Daks	Q.		2	Coast	Coast	AIK.	Mexico	_	M.	Coast	Olakes
For Petrochemical Feedstock Use	921	₽	940	40	1,604	306	348		273	3.031	2.822	£	g	E 273	Ş	0	900
For Other Uses			229	-	215	~ 6	4	266	4	1,593	1,568	5 5	30	3,221	2 =	144	3,502
Ethane		. 0	9 0	} c		S C	8		232	1,438	1,254	55	8	3.051	66	938	6.750
For Petrochemical Feedstock Use	0	0	Φ	0	0	, c	> c		0	602	8	0	٥	90	0	0	625
Por Ciner USBS	0	0	0	0	0	٤,	> C		> 0	4 :	N (0	O	445	0	0	445
For Dotrochowing Contact of the	792	5	811	4	1,570	278	478		2,0	601	0 5	۰:	0	159	0	0	180
For Other Has	529	0	229	0	190	0	4		5 4	7,00,0 0,00	900	N C	27	4,061	165	813	8,216
Butane	283	5	582	5	1,380	278	434		169	1 452	177	> <u>c</u>	; c	7 6	0 ;	104	1,751
For Petrochemical Feedshock Use	₹ :	5	8	0	5	7	-130		9	49	1415	3 8	ī 8	7/0/7	<u> </u>	5 5	6,465
For Other Uses	- 6	0 (4 8	0	0	7	0		0	217	1340	3 5	3 =	254	-	257	1,643
Butane-Propane Mixtures	8 0	5 6		ο.	5	0	-130	-117	6	-263	25	·	, ,	0 0	č	5 5	599,
For Petrochemical Feedstock Use	> <	> 0	-	0	4	0	0	4	N	6	۰ م	: -	3 4	7	† ?	<u> </u>	7 5
For Other Uses	-	> c	> c	0 0	0	φ.	0	0	0	0	0	0	20	- c	ÿ -	Å c	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Isobutane for Petro. Feed, Use	o c	> 0	> 0	> c	4 5	0	0	4	67	8	C 3	-	5	-	Ş	Š	20,0
Finished Motor Gasoline	15.555	9 6	70,454	⊃ 6 6	S S	0	0	52	0	16	0	0	0	19	; ∈	ļ	Ž Ž
Finished Leaded Motor Gasoline	26.0	7.44	9,6	307	34,000	3,782	12,396	50,016	9,065	46,218	31,339	1,750	860	89 232	6 479	20.580	2 7 7
Finished Unleaded Motor Gasoline	98.0	700	0000	0 0	14,309	4.148	7,211	24,343	4,822	17,449	13,408	989	513	36 890	4 096		707
Finished Aviation Gasoline	5	2	2	n N	18,266	1,634	5,185	25,673	4,243	28,769	17,931	1.052	347	52 342	200		7,70
Naphtha-Type Jet Fuel	1 6	ģ	4 5	<u>ر</u> د	9 9	; ٥	o	Ε.	9	8	144	0	0	393	9 8		92.0
Kerosene-Type Jet Fuel	269	? =	280	8 8	494	8 8	<u>8</u>	949	950	810	232	174	213	2,049	363		4 996
Kerosene	-27	8	3 8	3 6	5,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403 1,403	ğ ç	7.79	4,239	627	7,224	5,753	-	25	13,629	911		26.247
Distillate Fuel Oil	7,891	718	8.609	25	1 2 2	4 to 4	4 6	739	ფ <u>ფ</u>	1,547	1.578	R	Ħ	3,156	24		4.250
Hesiqual Fuel Oil	2,302	121	2,423	3 12	1 494	- 5 6	, , , , , , , , ,	4/4/0	5.043 5.043	22,398	11,966	1,657	579	40,243	3,724	11,081	83,131
Naphtha < 400 Deg. For Petro, Feed, Use	315	0	315	0		3 -	3 4	90,0	8	6,678	3,416	560	ဗ္ဗ	10,953	238	9,089	24,769
Construction of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the C	4	0	4	0	75	> C	9 "	7 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7	\$ 5 5 5 5 6	866,2	136	103	0	3,376	0	112	4,396
Special Naphthas	2	72	56	0	342	o c	o c	5 4	3 6	4 6	996'	0 !	0	7,598	-	411	8,175
Wase	331	343	674	0	501	0	383	28	gτ	0,0,1	1 G	33	0 (1,315	-	73	1,966
Datroloum Cata	32	72	97	0	;	0	43	5 2	2 2	2,5	òō	25.50	> (2,978	27	371	4,934
Marketable	1,172	₩	1,190	ង	2,247	297	620	3.186	500	277	2 26.0	ē	> ;	8	P (88	482
Catalyst	£ (0	498	0	1,255	174	408	1.837	22	1.340	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 7		9 6	2/2	2,950	13,048
Asobalt and Road Oil	6/4	<u></u>	895	ដ	385	123	212	1.349	244	1438	3,5	t a	> <u>*</u>	7,337	3 5	2,259	7,713
Still Gas	7,838	20	2,988	128	2,569	346	528	3,571	605	222	2 6	250	- c	1,44,0	2 1	691	5,335
For Petrochemical Feedstock Use	1,57	96	1,673	4	2,489	227	752	3,532	464	4,799	2,323	8,5	3 8	707,0	0 7	2,2/4	13,335
For Other Uses	2 2	> 6	8	0	2	0	0	C 1	9	414	8		} <	2 6	3 8	5 5 6 6 7	000
Miscellaneous Products	ر. م د	8 6	1,408	%	2,487	227	752	3,530	458	4,385	2.240	208	χ	7 217	3 1	7 64 6	940,1
Fuel Use	3 0	٠ ت	٠ ک	m d	74	16	32	148	96	989	233	6	0	1034	, A	2,5	10,40
Non-Fuel Use	ခ်	- g	- 5	> (<u>-</u> ۲	0 !	5	16	oʻ	19	503	0	0	22) o	; 4	0/C.
	3	8	2	יי	9	စ္	4	132	96	299	130	6	0	912	99	13.5	380
Total Production	34,160	2,507	36,667	2,207	60,740	7.478	22 047	92.479	16 908 1	031 801	CHU SI	i i			}	2	305.
Processing Gain(1) or Loce(±)1	,		!			: •	: }				00,00	908,0	1,863	199,535	13,213	69,527 4	411,414
The second state of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second	-1,417	ΐρ	-1,422	-76	-2,578	-314	-569	-3,537	-77	4,261	-2,563	45	-14	-6.960	171	-3 063	18.052
1 Bearboonto the authorities 1995												1		}	-		CU,UD

1 Represents the arithmetic difference between input and output. Note: See Explanatory Note on negative production. Source: See Explanatory Notes on Data Collection and Estimation.

Table 15. Percent Refinery Yield of Petroleum Products by PAD District, 1 October 1983

					Č	O.A.O.	=	-			PAN Nic	District III			PAD	PAD	
•	Y.	PAU DISTRICT			<u>{</u>	U USHIO			-	T					71 12	> to	Inited
Commodity	East	East Appala-	otal	Appala- chian	<u>,</u> 7. 	Wisc.	Kans,	Total	Texas	Gulf Spast		No. La. Ark	New Mexico	Total	Rocky Mt.	West	States
		#		7#		Cans.											
	4	7,96	144.1	53.0	60	667	51.9	52.7	47.7	42.2	45.3	25.3	41.4	43.1	47.6	44.4	45.7
nished Motor Gasolinez	Ç -	t c	į	9 0	} -	2		·	٠.	Ŋ	'n	o.	O.	ςį	κi	4	Ŋ
nished Aviation Gasolinea	÷ ç	įα	ά,	, c	. 6	4	. 49	2.8	80,	3.0	4.7	5.	3.7	3.5	ωį	1.7	2.8
quened Hermery Gases	3	, , ,	jσ	i e	σ .	-	17	2	4.1	œί	₹.	3.1	12.6	::	3.1	5.0	1.3
aprilia-iype Jet Fuel	i c		9 6	٠	9	7	98	5.2	4.2	7.2	9.6	o;	7.	7.5	4.9	10.8	2.0
erosene-i ype det ruel	3 -	7	} -	<u> </u>	- -	_	i I	q	Q	6.	5.6	4.	7:	1.7	cń	ιų	1:
SPOSENE THE PLANT OF	- K	ין מ מ	. v.	2 6	<u> </u>	27.7	29.3	23.7	24.3	22.5	20.0	29.8	34.3	22.1	29.7	17.1	22.2
	1 7	a o	7 6	9 6	27	eri eri	0	2.4	3.7	6.7	5.7	4.7	2.1	6.0	2.4	14.0	9.9
esidual Fuel Oil Botto Engl 180		, c	i a	} =	j o	0	rti	۲.	33	2.6	က	6 .	0	6:	0	બ	1.2
appuna < 400 Deg. r. redu. reed. Ose	2 0	· c	i c	· c	י כיו	0	q	ų	5	5.5	3.3	0	0	4.2	o,	ιc	2.2
mer Cir. > 400 Deg. r. reuo. reeu. ose	i c) OC	;	0	Ó	0	7	۲.	εÀ	1.1	-	2.4	0	7.	o.	٠,	ιĊ
pecial Napliulas	÷ -	12.7	: 0	· C	o,	0	20	-	۳.	1.8	.3	6.3	0	1.6	ςį	9	1.3
101624113	-	0	er.	· c	q	0	Ŋ	٠.	0	Ψ.	٣.	1.1	0	۳.	Τ.		Τ,
GAKS	o c	7	C.	-	4	4.4	65	9,0	2.0	2.8	3,8	8,	7.	3.0	22	4.6	3.5
etroleum coke	9 0		σ	. c	4.7	10	2.8	4.3	4.0	۲.	2,3	18.6	2.2	2	5.7	3.5	3.6
Sprial and hode Off	i u	ξα	, r	6	4.6	3.4	4.0	4 ئ	က်	4.8	3.9	3.7	1.7	4.3	4.0	5.4	4.5
liscellaneous Products	, . t.i	.5	4	7	η.	ď	ωį	ભ	æ	۲.	4	ωi	0	φ	4	က္	4
mosssing Gainf.) or Loss(+)4	4.6	2	4.2	-3.9	7.4	47	-3.0	Α εύ	5.	4.3	4.	8.	8	-3.8	4.5	-	4 65

Based on crude oil input and net reruns of unfinished oils.
 Based on total finished motor gasoline output plus net output of motor gasoline blending components, minus input of natural gas plant liquids, other hydrocarbons and alcohol.
 Based on finished aviation gasoline output plus net output of aviation gasoline blending components.
 Represents the difference between input and Production.
 Note: Totals may not equal sum of components due to independent rounding.
 Note: See Explanatory Note on negative production.
 Source: See Explanatory Notes on Data Collection and Estimation.

Table 16. Imports of Crude Oil and Petroleum Products by PAD District, October 1983 (Thousand Barrels)

Commodity			Petroleum Administrat	Petroleum Administration for Defense Districts		
	-	=	≡	^	^	Total
Crude Oil (including lease condensate) 1 2	23,780	14,247	62,163	1,345	5.286	108 920
Natural Gas Liquids	451	2,928	1.245	587	500	2000
Plant Condensate	(S)	0	278	}	707	5,493
Liquefied Petroleum Gases	124	0	0	122	-	5/2/6
Ethane	35/	2,928	996	465	280	042
Propane	0 ;	. 264	0	ļ	1 6	4,564
Butane	212	770	o	237	o g	1 250
Butane-Propane Mixhires	216	1,023	336	228	£ €	017,1
Ethane-Propane Mixtures	D (0	83	0	3 =	P06'-
	5	571	0	0	0	571
Other Liquids 1	4.021	103	0.710	;		
Uninished Oils 1	3,732	65	5,45 50.45 10.45	m 6	193	8,249
Motor casoline Blending Components	583	9 0	168	, c	8 2 ;	7,629
Aviation dasoline Blending Components	0	0	3 =	5 ¢	164	620
Finished Detection Des Leads			•	>	>	0
Finished Motor Cooples	36,241	1,266	3.131	341	1 400	400 97
Finished Leaded Motor Constitute	9,178	7	533	192	7.405 7.27	42,382
Finished Unleaded Motor Cooking	2,928	56	533	132	100	875,01 900.0
Finished Aviation Georgias	6,250	15	0	000	Cac	0,000
Naohtha-Type Jet Fuel	(S)	0	0	0	8	4,55,4 (e)
Kerosene-Type Jet Fuel	0 (0	0	0	0	(e)
Bonded Aircraft Fuel	1,453	o +	ო	0	78	1 534
Other	1 450	-	0	0	0	0
Kerosene		0	က	0	82	1534
Distillate Fuel Oil	330	0	83	0	(S)	358
Bonded Ships Bunkers	0.0.	136	හ	141	86	7.899
Other	7 14	D (0	o	0	0
Residual Fuel Oil	010,7	136	ထ	141	86	7.899
Bonded Ships Bunkers		882	1,444	36	765	19,645
Other	200	D (8	o	0	0	0
Naphtha < 400 Deg. for Petro. Feed. Use		85 C	1,444	88	765	19,645
Other Oils > 400 Deg. for Petro. Feed, Use	<u>-</u> •	<u>"</u> "	1 <u>7</u> 2	0	0	153
Special Naphthas	- c	- (0	0	0	6
Lubricants	376	53	734	0	\$	916
Waxes	S	<u> </u>	<u>_</u> ;	(s)	(S)	394
Asphalt and Road Oil	259	N c	(s)	0 (2	-
Miscellaneous Products	က	571	245	0	0 0	262
Total Importe	;		2	(c)	ro C	828
. O'GI 1111/O'I &	64,493	18,633	70,287	2,367	7.163	162 944
					•	

Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry. Includes crude oil imported for storage in the Strategic Petroleum Reserve.

(s) Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding. Sources: See Explanatory Notes on Data Collection and Estimation.

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Table 17. Imports Of Crude Oil and Petroleum Products by Source and PAD District, October 1983 (Thousand Barrels)

Source	Crude Oii 1	LPG	Unfin- ished	Gasoline Blending Compo-	Finished Motor	Jet Fuel	Kero- sene	Distii. Fuel	Resid. Fuel	Special Naphthas	Other Prod- ucts 2	Total Prod- ucts	Total Petro- leum	Total (Daily Average)
			}	nents										
							All PAD	All PAD Districts						
Arab OPEC	6.024	c	200	0	0	0	0	248	1,088	258	278	2,073	8,097	261
Iraq	439	0	0	0	0	0	0	0	0 1	0 (0 (00	439	4 0
Kuwait	249	0	0	0	0	0	0	0	0 9	0 0		2,5	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0
Saudi Arabia	18,629	336	246	0 0	0 0	00	00	0 0	282	o c	9 0	<u>,</u>	26/182	<u> 9</u>
United Arab Emirates	55,840	336	4,	00	00	90	0	248	1,669	258	278	3,237	29,077	938
Other OPEC	. 465	c	t.	C		0	0	0	0	0	0	Ť.	2,177	2
Ecuador	2, 102		20	. 0		0	0	0	0	0	0	0	2,362	92
Gabori	10.711	, c	0	0	97	35	0	0	561	0	0	693	11,404	368
Trans	360	0	0	0	0	0	0	0	0	0	0 (- (98	٠ د
Nigeria	9,451	0	0	0	0	0 1	٥ 5	G 6	900	0 8	0 0	230	9,520 10,438	33,
Venezuela	4,718	۰ ۵	۱ ۵	0 (1,790	215	8 8	025,	908	2, 60	o C	6.497	36.262	1.170
Subtotal Other OPEC	29,765	0	Ω	•	,00°.	90	107	<u>;</u>	} }	}	•	i		
Other	٠							(Č	ć	c	0	4 437	ų
Angola	1,119	0	0	0	0	0		0 0	מבא	2 0	ם ע	9 6	ž č	3 2
Bahamas	٥	0	2,122	0	0 8	. 263	9 0	25	ZC9'1	<u>,</u>	(S	263	263	<u>.</u> 00
Brazil	0	0	ָי מ	o 1	2 5	> C	•	7 400	723	73.	943	8.067	16.709	539
Canada	8,642	50.55 50.55 60.55	/97	ح آھ	- C	, c			174	0	0	174	174	9
Congo	380	o c	. 2.	0	0	. 0			0	0	0	23	411	13
France	3	0	0	0	0	0		0	0 !	0 (જ જ	(s)	(s)	(s)
Malaysia	٥	0	0	0	53	(G)			37	O 7	⊃ ¢	2 2	23 896	7.
Mexico	21,564	8	-	283	203	m (200	- c	3	3,000	900 E	<u>7</u> 6
Netherlands	0 0	0 0	588	0 0	732	3 6		404	3,548	0	199	5,335	5,335	172
Netherlands Antilles	ď	e C	30	0	0	. 0				0	0	0	866	35
Poonle's Remittie of China	1.552	0	0	331	501	0	٥		0	0	0 (833	2,384	<i>}</i>
Peni	0	0	0		0	0			234	O	2 8	737	707	οę
Puerto Rico	0	0	206		778	0		ř	-	> c	S C	1 872	1.872	8
Romania	0	0	210		1,662	~ (o c) C		ଚ	(8)	(5)	<u>ક</u>
Spain	0	0	-	-	> C		•	2.0	313	0		525	3,273	106
Trinidad and Tobago	2,749	>	→ C	9 6	900				183	0	4	583	12,838	414
United Kingdom	002,21	-	1 12 0		2.134	675		2,111	4,893	0	45	11,472	11,472	370
Virgin Islands	540	0	0		0	0			0	0	0	0	540	17
Other Western	! •				•	•		u	1 167	č	BA	1 269	1.548	20
Hemisphere	279	0	0	0	0.00	> t		0 0	956) (§)	; ;	3.406	4,534	146
Other Eastern Hemisphere	1,127	(s)	1,489	ŝ	8.493	1.284		6,281	15,490	429	1,896	46,390	97,605	3,149
Subtotal Other	012,10	3	:		•	•							,	i i
Total Imports	, 106,820	4,969	7,629	620	10,379	1,534	358	7,899	19,645	916	2,175	55,124	162,944	007'0
		ŀ									1			

Table 17. Imports Of Crude Oil and Petroleum Products by Source and PAD District, October 1983 (Thousand Barrels) (continued)

					9										
	Source	Oruđe 1 -	LPG	Unfin- ished Olls	Gasoline Blending Compo-	Finished Motor Gasoline	Jet Fuel	Kero. sene	Puel Puel 2	Resid. Fuet	Special	Other Prod-	Total Prod-	Total Petro-	Total
					- ICHIES				5	5		ucts 2	ucts	leum	Average
	Arab OPEC							PAD District I	istrict I				!		
	۳.	1,993		200	0	0	0	0	248	1 000	,				
	United Arab Emirates	9 0	0 6	246 246	0	0	٥	6	} 0	9. -	-	00	1,536	3,529	114
	Subtotal Arab OPEC	2,851	•	447	> c	0	0 6	٥.	0	0	0	0	9 0	40.	98 0
	Other OPEC		ı		•	>	9	0	248	1,088	0	0	1,783	4,633	149
٠.	Gabon	958	c	C	,										
	Indonesia	3,146	9 0	00	0 6	0	0 (0	0	O	0	0	o	850	5
	Nigena Vancania	1,600	0	0	0	> 0	o c	00	0 (0 (0	0	0	3,146	5
	Subtotal Other OPEC	2,549	00	00	0	1,790	215	261	1,320	19	o c	00	69	1,670	54
	Other		ם	5	0	1,790	215	261	1,370	1,693	0	• •	5,329	13,581	25 25 25 26 27 28
	Angola	*	+												
	Bahamas	<u></u>	р с	0 50	0	0	0	0	0	318	0	c	ō	,	;
	Brazil	-	> c	8 6	0 (0	263	0	310	1,652	• 0	o c	200	1,43/	46
-	Canada	912	218	- c	⊃ @	88	0	0	0	0	0	<u>জ</u>	263	202,	\$ 0
	Congo	0	0	0	9	ACE C	0 0	=	1,123	387	6	210	2.318	3 68	¢ 5
	Egypt	389	0	. 52	0	> c	> c	0 0	0 0	174	0	0	174	174	<u> </u>
	Mordon	0	0	0	0	¢	o c	> c	3 (C	0	0	2	411	13
	Mexico	3,650	0	0	289	. 0	9 0	> C	280	D 640	0 ((s)	(s)	(<u>s</u>)	(8)
	Netherlands Aprillo	0 0	0	288	0	732	0	• c	340	6 6	5 6	0	1,443	5,093	\$
	Norway	D g	109	453	0	416	٥	0	504	3356	ə c	(g)	3,009	3,009	97
	People's Republic of China	236	> c	0 6	0 (0	0	0	0	0	> 0	<u> </u>	4 20 50 50 50 50	4,943	65 (
	Peru	0	· c	o c	> c	0 (0	0	0	0	0	0	,	23.0	2 4
	Puerto Rico	0	0	30e	- c	0 47 0 a	0 0	۱ -	0 !	237	0	0	237	23,2	<u>`</u> ∝
	Homania	0	0	210	0	1.662	o c	v c	<u>.</u>	0 0	0 (290	1,487	1,487	. 64
	January 1	0	0	0	0	0	· c	> 0	> 0	> (0	0	1,872	1,872	8
	Third and Tobago	<u>(S)</u>	0	0	0	• 0	· c	,	÷	> 6	.	(8)	(s)	<u>(s)</u>	9
	Virgin Islands	444	0 (0	o	323	0	0	2 0	2 <u>2</u> 2	> c	o ţ	525	525	14
	Zaire	240	-	233	0	2,134	. 678	31	2,111	4,699) C	2 0	1 263	5,027	162
-	Other Western	}	>	>	ɔ	ο,	0	0	0	0	0	0	20	540	328
	Hemisphere	0	0	0	٥	0	c	c	c	101				<u>:</u>	:
		518	(s)	838	0	720	0	• =	÷ ¢	1,10/ 526	n (4)	0	1,167	1,167	88
	744444444444444444444444444444444444444	12,677	327	3,286	289	7,388	1,238	69	5,897	74,319	6 6	781	2,097 33 602	2,615	\$ 8
_	Total Imports	23,780	327	3 739	000	0	,						700,00	570	 504,-
				3	203	8,1,8	1,453	330	7,515	17,100	o	781	40,714	64,493	2,080
⋖	Arah Oper						ш,	PAD District II	= 5						
	iia	1,343	0	c	c		,	,							
	Subtotal Arab OPEC	1,343	0	0	0	00	> 0	0	0 0	00	00	00	00	1,343	43 64
ű	See footpoton of and affects:	İ									ŝ.		,	1	?

Table 17. Imports Of Crude Oil and Petroleum Products by Source and PAD District, October 1983 (Thousand Barrels) (continued)

Source	Crude Oil 1	LPG	Unfin- ished Oils	Gasoline Blending Compo- nents	Finished Motor Gasoline	Jet Fuel	Kero- sene	Distil. Fuel	Resid. Fuel	Special Naphthas	Other Prod- ucts 2	Total Prod- ucts	Total Petro- leum	Total (Daily Average)
							PAD Di	PAD District II						
Other OPEC Iran	360 457 817	000	000	000	000	000	000	000	000	000	000	000	360 457 817	2 1 5 5 5 6
Other Canada	6,235 0 4,385 868 459	2,928 0 0	193 0 0	00000	70000	00000	00000	136 0 0 0	298 0 0 0	159 0 0	602 (s) 0 0	4,386 (s) 0 0	10,621 (s) 4,385 868 459	343 (s) 141 28 15
Outer western Hemisphere	139 0 12,087	0 0 2,928	0 0 <u>6</u>	000	200	000	000	0 0 98	0 0 298	0 0 159	(s) 602	(s) 4,386	139 (s) 16,473	(s) 531
Total Imports	14,247	2,928	193	0	7.	0	0	136	298	159	602	4,386	18,633	601
							PAD Di	PAD District III						
Arab OPEC Algeria	4,031	00	00	oc	00	00	00	00	00	258	278	537 0	4,568 439	147
Kuwait	249	0 0	000	000	00	000		00	0 6		00	0 247	249	8 560
Saudi Arabia	500 21,647	336 0	000		000	000	000	00	582	258	0 278	1,454	23,101	16 745
Cuther OPEC Ecuador Gabon	2,162 1,404 2,430 7,394 2,169 15,560	00000	តិ <u>០០០០</u> ឆ	00000	000000	00000	000000	00000	0 434 232 232 666	558 558 558 558	000000	15 0 434 0 460 910	2,177 1,404 2,864 7,394 2,630 16,469	70 45 92 239 85 531
Other Bahamas Canada France Mexico Netherlands Antilles Norway People's Republic of China Trinidad and Tobago United Kingdom Virgin Islands	(s) 0 13,529 0 1,016 1,880 7,352	000 500000	1,686 0 0 7 7 199 0 0 0 0 1,050	(s) 0 0 0 0 0 0 0	20000	00000000	000000000000000000000000000000000000000	000000000	0000000046	86. 0 0 0 0 0 0	245 0 (s) 0 (s) 0 0 0 0 0 0	2,129 36 (9) 878 199 0 497 0 1,290	2,129 36 (s) 14,407 199 430 1,513 1,880 7,352 1,290	(s) 465 465 6 14 49 61 237 42

Table 17. Imports Of Crude Oil and Petroleum Products by Source and PAD District, October 1983 (Thousand Barrels) (continued)

Source	Crude Oii 1	PG.	Unfin- ished Oils	Gasoline Blending Compo- nents	Finished Motor Gasoline	Let Fuel	Kero- sene	Distil. Fuel Oil	Resid. Fuel	Special Naphthas	Other Prod- ucts 2	Total Prod- ucts	Total Petro- ieum	Total (Daily Average)
							PAD District III	strict III						
Other Western Other Western Hemisphere Other Eastern Hemisphere Subtotal Other	139 609 24,956	631	0 623 3,566	0 0 168	233	00%	800	မ ဝ ထ	0 0	13	28 7 88	102 629 5 761	241	8 0 4 6
Total Imports	62,163	996	3,581	168	533	3	28	αò	1,444		629	8,125	70,287	2,267
•				·			PAD District IV	strict IV						
Other CanadaSubtotal Other	1,345	465 465	89 89 83 89	00	£ £	00	00	1 1 1 1 1 1 1 1 1 1	88	00	123	1,022	2,367	76
Total Imports	1,345	465	93	0	161	0	0	141	39	0	123	1,022	2,367	2 92
•							PAD District V	strict V						
Other OPEC Indonesia	5,135 5,135	00	00	00	97 97	32	00	00	127 721	00	00	259	5,394	174
Other Canada	150 0 0 0 0 0 0 0 0	282 0 0 0 0 282 282	-00000 80 80 80 80 80 80 80 80 80 80 80 8	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	53 0 0 172 115	0000000	6 8 8	00 - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	37 77 192 0 0 402	<u> 4000000</u>	∞00000+¢	365 15 192 192 193 193 193 193 193 193 193 193 193 193	455 96 96 11 192 336 0 680	8) 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Total Imports	5,286	282	53	164	437	78	(s)	86	765	. 4	5 0	1,878	7,163	23. 5

Includes crude oil imported for storage in the Strategic Petroleum Reserve.
 Includes aviation gasoline, waxes, asphalt, lubricants, natural gasoline, isopentane, plant condensate, naphthas less than 400 degrees F, other oils greater than 400 degrees F and miscellaneous products.
 Less than 500 barrels or less than 500 barrels per day.
 Note: Totals may not equal sum of components due to independent rounding.
 Sources: See Explanatory Notes on Data Collection and Estimation.

Table 18. Exports Of Crude Oil And Petroleum Products By PAD District, October 1983 (Thousand Barrels)

		Petroleur	Petroleum Administration for Defense Districts	ι for Defense i	Districts	
Commodity	-	=	=	2	>	Total
Crude Oil (including lease condensate) 1	0	341	٥	٥	3,995	4,336
Cocos	34	302	550	0	101	987
Ethano	. 0	0	<u>(8)</u>	0	0	(s)
Probane	8	121	354	٥	40	534
Ritane	16	180	195	0	<u>6</u>	453
Ridone Propose Mixtures	0	0	0	0	0	0
	32	2	0	0	12	5
Nachtha Tuna lat Filial	(S)	0	0	o	0	<u>@</u>
Kepsene Type Jet Filel	,	0	0	0	24	24
Korosato	~		216	0	0	218
Distillate Fire Oil	5	· (9)	211	0	1,390	1,701
Recicled Fire Oil	(s)	•	1,849	0	2,882	4,732
strochem. Fee	49	4	218	,-	15	285
Other Oils / Ann Dea for Detroched: Feedstock	G	41	164	0	64	202
Special Naphthas	ູ່	-	88	(s)	ო	47
	127	2	287	-	47	483
Wayes	LC)	(5)	24	(S)	ស	34
Detroleum Cake	S	B	2,732	•	1,888	4,713
Aschatt	0	•	<u>(S</u>	-	4	00
Microllanane Broducte	14	N	ဟ	0	ın	27
	400	442	6,295	2	6,378	13,518
Total Exports	400	783	6,295	Ø	10,373	17,853

¹ Exports of crude oil are prohibited by law. However, some crude oil is exchanged with Canada on a barrel for barrel basis, and crude oil is shipped to U.S. Territories (especially Puerto Filton and the Virgin Islands) to be refined there. The Statistical Tracking Systems count these exchanges and shipments as imports and exports.

(s) Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding. Sources: See Explanatory Notes on Data Collection and Estimation.

Table 19. Exports of Crude Oil and Petroleum Products by Destination, October 1983 (Thousand Barrels)

(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	999999988	(8) (8) (8) (8) (9) (9) (9) (9) (9) (9) (9) (9) (9) (9
282	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	200000000000000000000000000000000000000	6 9
(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	200000000000000000000000000000000000000	
185	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c		8) 8)
185	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c		<u>s</u>
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Table 19. Exports of Crude Oil and Petroleum Products by Destination, October 1983 (Thousand Barrels) (continued)

Total	(Daily	18	, r	2	2	(S)	;	· S	-	<u>(8</u>	, 2	-	(S)	2	135	er.	(s)	. 28	576
	Total	573	451	}	۰ ۵	100	. 4	· -	. 62	α	89	4	<u>(9)</u>	. 68	4.178	92	(8)	854	17,853
	Other	œ	-	(8)	-	(s)	(S)	(S)	55	(s)	:	33	(s)	:	0	**	0	۲.	738
	Asphait	s	·	· c	0 0	Ф	0	0	0	0	(s)	•	0	(S)	•	(s)	•	<u>s</u>	œ
Petro-	Seum Poke	0	450	-	0	0	0	0	0	0	36	0	0	99	0	84	0	0	4,713
	Waxes	(S)	(8)	, ,) (S)	(S)	(s)		0	0	(8)	0	0	8		<u>(s)</u>	0	S	34
Lubri	cants	က	(s)	;	•	7	5	•	4	-	83	8	(s)	(s)	(s)	ო	(s)	9	483
Special	Naphthas	မ	0	٥	0	_	0	(s)	(F)	0	(s)	0	(s)	(s)	0	0	0	9	47
Residual	ë ë	548	0	o	0	0	0	0	0	0	0	0	0	0	730	0	0	276	4,732
Dist.	9 5 2 5	0	(s)	0	0	0	0	0	0	0	(s)	0	0	0	0	(S)	0	<u>(S</u>	1,701
Jet	Fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Φ	24
Finished	Gasoline	0	0	0	0	0	0	0	0	0	(s)	0	0	0	0	0	0	0	5
	LPG	~	O	(s)	0	(s)	0	(8)	<u>(s)</u>	-	_	0	0	(s)	(s)	0	٥	ო	987
4	O C	0	0	0	0	0	0	0	0	0	0	0	0	0	3,447	0	0	548	4,336
Doctination	Destilation	Singapore	spain	Surinam	Sweden	Switzerland	Thailand	Frinidad and Tobago	urkey	United Arab Emirates	Juited Kingdom	J.S.S.R.	Juguay	/enezuela	/irgin Islands	West Germany	/ugoslavia	Other	Total

1 Exports of crude oil are prohibited by law. However, some crude oil is exchanged with Canada on a barrel for barrel basis, and crude oil is shipped to U.S. Territories (especially Puerto Rico and the Virgin Islands) to be refined there. The Statistical Tracking Systems count these exchanges and shipments as imports and exports.

(s) Less than 500 barrels or less than 500 barrels per day. Note: Total may not equal sum of components due to independent rounding. Source: See Explanatory Notes on Data Collection and Estimation.

Table 20. Stocks of Crude Oll and Petroleum Products By PAD District, October 1983 (Thousand Barrels)

	United States	100,759 201,675 22,032 367,240 26,517 718,223	319,421 354,103 108,264 11,867 793,655	914 3,391 1,011 1,069 6,385	4,361 2,984 4,330 11,675	134 3 200 115 452	7,821 94,588 12,244 6,091
	Dist. V West	Coast 23,433 31,972 1,671 26,517 83,593	59,771 24,324 4,068 175 88,338	20 0 12 14 8	0000	00000	583 2,817 0 154 3,554
-	PAD Dist. IV	Mt. 1,993 9,545 1,351 0 0 0 12,889	10,008 2,625 2,526 213 15,372	1 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 466 25 491	00000	299 113 36 121 569
-	Total	47,380 100,237 17,323 367,240 0 532,180	142,319 96,521 38,686 9,199 286,725	617 2,345 717 797 4,476	1,828 2,411 3,010 7,249	200 200 204 224	3,258 61,262 3,551 5,079 73,150
	New Mexico	111111	1,272	1 5	11 - 1	0 0	26 145 145
	ت.		4,810	1 1 %	11 1	67	4 1 4
0.00	La. Gulf		46,726 808	22 1 192	115	0 1 9	2,591
	Gulf		79,290 6,271	241	2,736	88 88	272 3,263
	Texas	11111	1,854	138	1 1 1 1	4 1 8	329
	Total	14,052 58,608 1,631 0 0 74,291	61,476 95,977 34,307 1,980 193,740	249 1,039 260 200 1,748	2,533 107 1,292 3,932	r 0 0 0 4	3,081 28,118 5,663 478 37,340
	Okla., Kans.,		14,258	131	1151	0 4	1 36 1
PAD District II	Minn., Wisc., Daks.	11111	5,792	S	-		84 1 1
å	H. Ry.	41111	40,314	8 1 2 1	11 6 1		1,952
	Appa- lachi- an #2	11111	1120	111		0 0	340
-	Total	13,901 1,313 56 0 0 0 15,270	45,847 134,656 28,677 300 209,480	71 0 0 0 5 22	0000	00000	600 2,278 2,994 259 6,131
PAD District I	Appa- lachi- an #1	111111	2,956 1 52	0 9	 	0 0	1 1 £
α.	East Coast	11111	42,891	↓	11 1	0 0	. 1 588 1 216
	Commodity	Crude Oil (incl. lease condensate) Refinery Tank Farms and Pipelines Leases Strategic Petroleurn Reservel Alaskan In-Transit	Total Stocks, All Oils (excl. Crude Oil) Refinery Bulk Terminal Pipeline Natural Gas Processing Plant Total	Natural Gasoline and Isopentane Refinery Bulk Terminal Pipeline Natural Gas Processing Plant Total	Unfractionated Stream Bulk Terminal Pyeline Natural Gas Processing Plant Total	Plant Condensate Refinery Bulk Terminal Pipeline Natural Gas Processing Plant	Liquefied Petroleum Gases Refinery Bulk Terminal Prefine Pratural Gas Processing Plant Total

Table 26. Stocks of Crude Oil and Petroleum Products By PAD District, October 1983 (Thousand Barrels) (continued)

	ď	PAD District	_		PA	PAD District II	-				PAD District III	trict III			PAD	PAD	
Commodity	East	Appa- lachi- an #1	Total	Appa- lachi- an #2	Ind., III., Ky.	Minn., Wisc., Daks.	Okta., Kans., Mo.	Total	Texas	Texas Gulf Coast	La. Gulf	No. La., Ark.	New Mexico	Total	Dist. IV Rocky Mt.	Uist. V West	United
Ethane Befinery Bulk Terminal Pipeline Natural Gas Processing Plant Total			00000		7 7 7	1 21	0 1	23 1,241 892 35 2,191	0 %	9 1 464		0 0		9 4,164 299 471 4,943	000	00000	32 5,405 1,191 507 7,135
Propane for Petrochemical Feedstock Use Refinery	se 21	0	22	١	88	0	0	82	ო 	-		6 	0	71	00	00	120 120
Propane For Other Uses Refinery Bulk Terminal Pipeline Natural Gas Processing Plant Total	526 		531 1,886 2,845 226 5,488	N 0	1,300	8 1	229 	1,561 17,618 2,808 260 22,247	68 512 512	57 - - - - -	364	2 12		1,063 28,459 1,212 1,750 32,484	137 112 0 84 333	101 658 0 133 892	3,393 48,733 6,865 2,453 61,444
Butane For Petro. Feed Use Refinery	١	0	00	0	0	- SQ	0	88	0	27	١	а 	0	83 83		0,00	52 52
Butane For Other Uses Refinery Bulk Terminal Pipeline Natural Gas Processing Plant Total	14	۲	48 390 30 30 601	286 	356	88 1 1 1	288	988 3,771 969 65 5,793	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	102	789	1 1 5	1 1 2 1	1,073 14,796 635 1,691 18,195	801 0 - 78 44	289 1,422 0 13 1,724	2,506 20,379 1,738 1,834 26,457
Butane-Propane Mixtures For Other Uses Refinery Bulk Terminal Pipeline Natural Gas Processing Plant Total	۵ 0 ۱۱ ۱		00000	11 1	0 11		0 0	381 18 0 401	⊢ w 	φ œ 	° 0	0 -	1 1	17 11 638 12 678	N000N	147 606 0 5 758	168 998 656 17 17
Ethane-Propane Mixtures Bulk Terminal Pipeline Natural Gas Processing Plant Total		0	0000	0	1		11	3,316 644 94 4,054	1 22 1	11 1			1 1 2	7,817 689 251 8,757	သိတ္ထင	0000	11,133 1,368 345 12,846

Stocks of Crude Oil and Petroleum Products By PAD District, October 1983
 [Thousand Barrels] (continued)

	PA	PAD District I			PA.	PAD District II					PAD District III	strict III	;		DAD	PAD	
	East Coast	Appa- lachi- an #1 -	Total	Appa- lachi- an #2	Ind. III. Ky.	Minn., Wisc., Daks.	Okta. Kans., Mo.	Total	Texas	Texas Gulf Coast	La. Gulf Coast		New Mexico	Total	Pocky	Dist. Vest	United States
		0 0	0 2 9 E 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	8 9	1 270	1 1 1 1 2	124 16	405 1,791 332 24 24 255	1 1 1 1 1 1 1 1 1 1 1 1 1	8 1 8	859	E C	9 1	1,050 6,015 78 904	20 - 0	Coast 4 t 5 c 5 c 5 c 5 c 5 c 5 c 5 c 5 c 5 c 5	1,550 7,940 426 935
	1 1 22	0	125 125	0	136	٥	1	136 136	- 1	1 88 I	l 88	0	l	8,047 117 117	g 00	178 55	10,851 383 383
lefinery Naphthas and Lighter Nerosene and Lighter Gas Oils Heavy Gas Oils Residuum Otal	3,490 1,945 7,347 2,150 14,932	220 90 183 289 782	3,710 2,035 7,530 2,439 15,714	50 0 136 1	2,903 2,390 4,895 2,983 13,171	163 4 456 11 634	1,180 695 1,259 1,159 4,293	4,296 3,089 6,746 4,154 18,285	767 599 1,039 365 2,770	7,795 7,560 10,873 5,344 31,572	5,295 1,327 6,443 3,048 16,113	157 30 205 45 437	99 0 0 214	14,113 9,522 18,669 8,802 51,106	492 604 1,476 583 3,155	4,770 3,775 9,860 5,455 23,860	27,381 19,025 44,281 21,433 112,120
Motor Gasoline Blending Components Refinery Bulk Terminal Pipeline	4510	88 	4,598 56 0 4,654	1 I 8	5,107	1 1 1 255	1,1323	7,231 271 35 7,537	1,728	9,942	6,368	²	1 1 1 28	18,329 572 26 18,927	1,621 1 0 1,622	7,600 157 0 0 7,757,7	39,379 1,057 61 61
	는 함	°ı	55	0	- 67	0	ا. ئ	110 110	١	ω !	167	o 	٥	175 175	60	8 8	323 323
	5,344	267	5,611 37,270 14,191 28 57,100	6	5,471	1,250	3,151	9,976 32,054 15,694 0 57,724	2,180	8,914 41.0	5,179	791	203	17,267 12,674 19,103 0	1,913 1,533 1,210 9 4,665	6,754 10,489 2,051 0 0	41,521 94,020 52,249 37 187,827
ł	2,468	<u> </u>	2,622 17,566 8,265 14 28,467	8 °	2,466	187	1,720	5,036 15,870 8,007 0 28,913	1,202	3,762	2,806	340	£	8,245 6,452 9,718 0 0	1,196 944 772 6 2,918	3,278 4,926 855 0 9,059	20,377 45,758 27,617 20 93,772

Table 20. Stocks of Crude Oil and Petroleum Products By PAD District, October 1983 (Thousand Barrels) (continued)

	United	21,144 48,262 24,632 17 94,055	1,077 1,155 176 33 2,441	3,379 1,608 1,137 6,124	13,466 13,573 10,229 37,268	3,838 5,538 828 3 10,207	43,552 92,908 26,824 163,285	20,137 31,274 9 51,420
PAD	Unst. V West Coast	3,476 5,563 1,196 0	220 316 0 0 536	776 535 332 1,643	3,516 1,901 718 6,135	434 47 0 0 481	4,584 5,122 954 0 10,660	6,180 2,096 8,284
PAD	Dist. IV Rocky Mt.	717 589 438 3 1,747	33 0 0 60	236 18 97 351	371 284 111 766	7 20 0 0	1,441 614 577 0 2,632	452 0 452
	Total	9,022 6,222 9,385 0 24,629	647 100 57 33 837	1,253 186 333 1,772	6,490 1,848 3,966 12,304	1,938 829 351 3,121	18,079 8,765 7,762 1 34,608	8,159 5,409 1 13,569
	New Mexico	89		111	1 1	18 I I	8 1 1	£
rict ⊞	No. La., Ark.	154 1		111	= 111	32	1,326	55
PAD District III	La. Gulf P Coast	2,373 	11 176	503	2,452	8	5,094 	3,041
	Texas Gulf Coast	5,152	364	469	3,723 	961	10,306	4,558
	Texas	978	107	502	8	7 2 2	1,190	878
	Total	4,940 16,184 7,687 0 28,811	131 327 101 0 559	773 768 212 1,753	1,371 4,438 2,195 8,004	1,006 1,209 175 0 2,390	11,458 19,552 9,761 0 40,771	2,025 1,794 0 3,819
	Okla., Kans., Mo.	1,431	ا ا ا ق ه	702	8	278	3,012	103
PAD District II	Minn., Wisc., Daks.	1 0	11 1	62	<u> </u>	8 1 1 '	1,559	86
PAL	Ind III., Ky.	3,005	₂ 0	492	1,136	999 1	6,791	1,705
	Appa- lachi- an #2	35		0	g: 	0 0	96 °	E
	Total	2,989 19,704 5,926 14 28,633	389 389 18 0 449	341 101 163 605	1,718 5,102 3,239 10,059	453 3,433 302 0 4,188	7,990 58,854 7,770 0 74,614	3,321 21,975 0 25,296
PAD District	Appa- lachi- an #1	t 1 1		8 	.	87	4 422 0	1 1
PAI	East Coast	2,876	4 5 0	808	1,718	99E	7,568	3,219
	Commodity	Finished Unleaded Motor Gasoline Refinery	Finished Aviation Gasoline Retinery Bulk Terminal Pipeline Natural Gas Processing Plant Total	Naphtha-Type Jet Fuel Refinery Bulk Terminal Pipeline	Kerosene-Type Jet Fuel Refinery Bulk Terminal Pipeline	Kerosene Refinery Bulk Terminal Pipeline Natural Gas Processing Plant Total	Distillate Fuel Oils Refinery Bulk Terminal Pipeline Natural Gas Processing Plant Total	Residual Fuel Oils Refinery

Table 20. Stocks of Crude Oil and Petroleum Products By PAD District, October 1983 (Thousand Barrels) (continued)

Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs March Costs Marc	•	<u> </u>	PAD District 1	=		PA	PAD District II	=				PAD District III	11 2				e v	ŀ
Petro, Feedstock 35	Commodity	East Coast	Appa- lachi- an #1	Total	Appa- lachi- an #2	Ind., III. Ky.	Minn., Wisc., Daks.	Okla, Kans.	Total	Texas		Coast		New		PAD Dist. IV	Dist.	United
Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Sect	Naphtha < 400 Deg. Petro. Feedstock]							-1		-			Νίτ	Coast	
9. Petro, Feedstock 4 0 23 0 23 316 1,097 134 0 1,547 5 347 9. Petro, Feedstock 4 0 4 0 23 316 1,097 134 0 1,547 5 347 9. Petro, Feedstock	Refinery Yotal	35 35		35	00	142	0 (84	190	99	878	379	98	c	+ 534	c	ţ	;
1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,00	Other Oils > 400 Deg. Petro. Feedstock	1		3	5	4 7	0	48	96	88	978	379	88	• •	1.57	9 0	176	1,912
26 55 84 1087 134 0 0 1547 5 347 mpPlant 26 55 81 126 209 0 160 289 21 1297 88 145 0 1551 8 24 mpPlant 26 26 273 273 27 26 179 26 1684 8 244 8 244 8 26 44 9 24 44 9 26 26 27 26 2799 270 40 26 27 26 2799 260 40 4489 26 26 26 277 26 2799 260 4489 26 26 277 26 2799 260 4489 26 26 26 277 26 2799 260 4489 26 26 277 26 2799 36 1,26 2799 36 1,26 36 36	Total	44	00	ব ধ	00	22 22	00	00	នុខ	316	1,097	134	0	0	1,547	ιn	347	1 926
967 884 1,65 0 269 0 160 273 129 27 1,294 27 1,294 27 1,294 27 1,294 0 1,294 0 1,584 9 244 9 1,684 9 1,684 9 27 1,684 9 1,684 9 27 1,684 1,684 1,684 9 1,684 9 1,684 9 28 1,684 9 28 1,684 9 28 1,684 9 28 1,684 9 28 1,684 9 28 2,77 26 2,798 9 4,685 9 28 28 8 1,784 2 2,77 2 2,774 2 2,774 2 2,738 1,786 8 6 667 0 400 946 165 1,485 9 1,485 9 1,485 9 1,486 9 1,486 9 1,486 9 1,486 <t< td=""><td>Special Naphthas</td><td></td><td></td><td></td><td></td><td> </td><td>,</td><td>•</td><td>3</td><td>5</td><td>/60°L</td><td>134</td><td>0</td><td>0</td><td>1,547</td><td>ß</td><td>347</td><td>1,926</td></t<>	Special Naphthas						,	•	3	5	/60°L	134	0	0	1,547	ß	347	1,926
967 884 1,851 0 674 0 263 937 25 2,799 920 490 0 4,224 51 52 2,499 920 116 82 0 0 4,254 51 52 2,499 920 920 490 0 4,224 51 52 2,449 920 116 82 0 1,594 920 11,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,092 0 1,	Helinery Bulk Terminal	% !	1 33	767	0	209	0	180	389	2	1,297	88	145	c	1551	α	2,00	i c
967 884 1,681 6 74 0 263 937 25 2,799 920 490 0 4,234 51 582 100 1,082 0 1,082 0 - - 1,981 - - - 4,463 53 53 1,256 - - 4,463 53 53 1,226 - - - 4,463 53 53 1,226 - - - 4,463 53 1,226 1,226 - - - 4,463 53 1,226 1,226 - - - 4,463 53 1,226 1,226 - - - 4,463 53 1,226 - - - - - - - - - - - - - - - - - - - - - - - - - - - - -	Natural Gas Processing Plant Total	0	١			6 	0	0	273	ا ق	0	10	0	, ,	525	000	34 €	1,104 1,104
967 884 1,851 0 674 0 265 937 25 2,799 920 490 0 4,234 51 582 52 644 52 2,799 920 490 0 4,224 51 52 644 52 644 52 642 64 67 0 400 946 116 82 0 456 0 53 42 86 667 0 400 946 163 0 1509 133 2149 1,092 0 1,092 0 1,092 0 539 42 86 667 0 400 946 163 0 1509 133 2149 1,092 0 1,092 0 539 42 86 667 0 400 946 163 0 1509 133 2149 1,092 0 1,092 0 1,092 0 1,760 884 <	Lubricants							l	700	ł	ļ	ļ	ļ	l	1,684	œ.	287	3,484
	Refinery Bulk Terminal	296	884	1,851	0	674	0	263	466	Ϋ́	007.6	Ş	ç		;			
	Total	1.1	1.1	1,062 2,913	1-1	14		}	44.	3	6,73 -	025 F	490		4 22 23 28	25 25	582 644	7,655
1,092 0 1,092 0 1,092 0 539 42 86 667 0 400 946 163 0 1,509 133 2,149	Waxes						ľ	l	196'-	Į	ļ	1	ł	i	4,463	53	1,226	10,636
1,092	Refinery Total	11	142	159	0	38	0	ඉ	14	8	SE SE SE SE SE SE SE SE SE SE SE SE SE S	Ţ	ç	ć	į			
1,092 0 1,092 0 539 42 86 667 0 400 946 163 0 1,509 133 2,149 1,092 0 1,092 0 539 42 86 667 0 400 946 163 0 1,509 133 2,149 1,092 0 1,092 0 539 42 884 382 3,286 425 559 1,456 595 122 3,157 264 1,456 1,769 42 1,811 260 1,760 884 382 3,286 425 559 1,456 595 122 3,157 264 1,456 1,769 2,119 — — — — 2,518 — — — 4,17 15 118 1,769 1 — — — — — — — — — — — — — — — — — — — — — — — —	Petroleum Cate	J	1	1 59	I	I	1	ı	1	l I	} 1	2	g I	- !	456 456	00	සු ස	745 745
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1,769 42 1,811 260 1,760 884 382 3,286 425 559 1,456 595 122 3,157 264 1,456 595 122 3,157 264 1,456 595 122 3,157 264 1,456 595 122 3,157 264 1,456 595 122 3,157 264 1,456 595 122 3,157 264 1,456 595 122 3,157 264 1,456 595 122 3,157 264 1,456 595 122 3,157 264 1,456 595 122 3,157 264 1,456 595 122 3,157 264 1,456 595 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,774 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574 279 1,574	l Otal	1,092	0	1,092	0	539	4 4	8 မွ	967 667	00	6 6 8 6	946 946	<u>8</u> 8	00	1,509	133	2,149	5,550
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Includes 33,879 thousand barrels of domestic crude oil.
 Sources: See Explanatory Notes on Data Collection and Estimation.
 Not Applicable.

Table 21. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, October 1983 (Thousand Barrels)

		From 1 to			From II to	5 5			From III to	_ ₽		ļ Ē	From IV to		IL.	From V to		
Commodity	=	III	>	-	=	2	>	_	=	≥	>	=	=	>	_	=	=	2
Crude Oil (Tanker and Barge only)	0	0	0	0	0	0	0	406	1,793	0	0	0	0	0	3,879	0	14,560	0
Petroleum Products	8,450	152	0	3,969	5,543	2,361	347	85,757	29,665	0	1,270	1,753	585	517	0	0	G	0
Natural Gasoline and Isopentane	0	0	0	0	128	0	0	0	334	0	0	'n	0	0	0	0	0	0
Unfractionated Stream	00	o c	00	00	512	00	0 0	0 0	1,243	00	o c	282	585	O C	0 0	00	0 0	00
Liquefied Petroleum Gases	0	0	0	295	2.212	9	0	1.919	5.123	0	0	282	0	0	0 0		0	0
Unfinished Oils	2	0	0	0	0	0	288	253	0	0	0	0	0	0	0	0	0	0
Motor Gasoline Blending Components	0	0	0	0	0	0	0	0	1,091	0	0	0	0	0	0	0	0	0
Aviation Gasoline Blending Components	0	0	0	0	0	0	0	٥	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	5,651	0	0	1,402	1,745	1,542	26	46,655	11,971	0	581	449	0	358	0	0	0	0
Finished Leaded Motor Gasoline	3,051	0	0	205	985	865	0	18,004	5,890	0	354	279	0	583	0	0	0	0
Finished Unleaded Motor Gasoline	2,600	0	0	900	760	272	23	28,651	6,081	0	257	170	0	66	0	0	0	0
Finished Aviation Gasoline	0	0	0	0	0	17	٥	5	245	0	0	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel	1 2	0	0	o	8	0	0	434	25	0	88	87	0	83	0	0	٥	0
Kerosene-Type Jet Fuel	402	0	0	旣	<u>ප</u>	409	0	9,782	1,603	0	8	ထ	0	35	0	0	0	0
Kerosene	38	0	0	0	0	0	0	845	0	0	0	0	0	0	0	o	0	0
Distillate Fuel Oil	2,134	က	0	1,256	629	233	0	16,921	6,469	0	364	345	0	8	0	0	0	0
Residual Fuel Oil	0	4	0	23	0	0	0	7,525	136	0	0	0	0	0	0	0	0	0
Naphtha and Other Oils for Petro.							•	•	i		•							
Feedstock	27	0	0	3	0	0	0	2	ဓ	0	0	0	0	0	0	0	0	0
Special Naphthas	0	0	0	0	0	0	0	229	163	0	0	0	0	0	0	0	0	0
Lubricants	0	5	0	.	თ	0	0	667	464	0	47	0	0	0	0	0	ဖ	٥
Waxes	Ó	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
Asphalt and Road Oil	0	0	0	87	0	0	0	232	688	o	0	0	0	0	0	0	0	0
Miscellaneous Products	56	5	0	172	110	0	0	103	48	0	0	0	0	0	0	0	0	0
Total All Products	8,450	152	0	3,969	5,543	2,361	347	86,163	31,458	0	1,270	1,753	585	517	3,879	0	14,566	0

Sources: See Explanatory Notes on Data Collection and Estimation.

Table 22. Movements of Petroleum Products by Pipeline between PAD Districts, October 1983 (Thousand Barrels)

917	Fron	From I to		From II to			From III to	Q			From IV to		From V to	0
Airpount	ı.	H	_	Ħ	Δ		=	2	>	=	=	>	=	≥
													-	
Natural Gasoline and Isopentane	0	٥	0	128	0	0	334	0	0	ß	0	0	0	0
Unfractionated Stream	0	0	0	512	0	0	1,243	ю	0	582	585	0	0	٥
Plant Condensate	0	0	0	0	0	0	٥	0	0	0	0	0	0	0
Liquefied Petroleum Gases	0	0	292	2,212	8	1,712	5,123	0	0	282	0	0	0	0
Motor Gasoline Blending Components	0	0	0	0	0	0	1,091	0	0	0	0	0	0	0
Aviation Gasoline Blending Components			0	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	4.217		1,209	1,727	1,542	34,945	11,215	0	584	449	0	358	0	0
Finished Leaded Motor Gasoline			424	972	865	13,362	5,515	0	354	279	0	289	0	0
Finished Unleaded Motor Gasoline			785	755	219	21,583	5,700	0	257	170	0	69	0	0
Finished Aviation Gasoline			0	0	11	9	22	0	0	0	0	0	0	0
Naphtha-Type Jet Fuel			0	65	0	394	57	0	88	87	0	82	0	0
Kerosene-Type Jet Fuel			171	103	499	7,241	1,535	٥	8	9	0	었	0	٥
Kerosene	8		0	0	0	950	0	0	0	0	0	0	٥	o
Distillate Fuel Oil	1,50		580	629	233	14,254	6,120	0	364	342	0	8	0	0
Residual Fuel Oil	0		0	0	0	0	0	0	0	0	0	0	0	0
Miscellaneous Products	0		134	0	0	0	0	o	٥	0	0	٥	0	0
Total	5,917		2,386	5,406	2,361	59,175	26,939	0	1,123	1,753	585	517	0	0

Source: See Explanatory Notes on Data Collection and Estimation.

Table 23. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, October 1983 (Thousand Barrels)

	F	From 1 to		F	From II to				From III to	III to			14.	From V to	
Commodity	=	=	>		=	>		New Eng	Cent Atl	Low Atl	=	^	-	:::	=
Crude Oil	0	٥	o	0	0	0	406	0	406	0	1,793	0	3,879	0	14,560
Petroieum Products	2,533	152	0	1,583	137	347		1,138	3,104	22,340	2,726	147	0	0	ဖ
Liquefied Petroleum Gases	0	0	0	0	0	0			0	202	0	0	0	0	0
Unfinished Oils	۲	٥	0	0	0	288			523	0	0	0	0	0	0
Motor Gasoline Blending Components	0	0	0	0	0	0			0	0	0	0	0	0	0
Finished Motor Gasoline	434	0	0	193	₩	29			1,002	10,708	756	0	0	0	0
Finished Aviation Gasoline	0	0	0	Q	0	O			44	86	25	0	0	0	0
Naphtha-Type Jet Fuel	현	0	0	0	0	0	4	0	0	4	0	٥	0	0	0
Kerosene-Type Jet Fuel	233	0	0	7	0	0			929	1,612	88	0	0	٥	٥
Kerosene	ထ	0	0	0	0	0			34	115	0	0	0	0	0
Distillate Fuel Oil	833	ო	0	976	٥	0			5	2,064	349	0	0	0	0
Residual Fuel Oil	0	4	0	201	٥	0			69	6,952	136	0	0	0	0
Naphtha and Other Oils for Petro, Feed. Use	27	0	0	3	0	0			90	<u>.</u>	30	0	0	0	0
Special Naphthas	0	0	0	0	0	0			138	55	38	٥	0	0	0
Lubricants	0	5	0	45	o	0			446	ĸ	494	147	0	0	ю
Waxes	0	0	0	0	٥	0			10	0	0	0	٥	0	o
Asphalt and Road Oil	0	٥	0	87	o	0			٠. ئ	217	689	o	0	٥	0
Miscellaneous Products	99	45	0	88	110	0			53	38	3	0	0	0	٥
Total	2,533	152	0	1,583	137	247	26,988	1,138	3,510	22,340	4,519	147	5,679	0	14,566

Table 24. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker and Barge Between PAD Districts, October 1983 (Thousand Barrels)

	Vd ∙	PAD District	_	PA	PAD District II	=	PA	PAD District III	=	PAI	PAD District IV	≥	P.	PAD District V	>
Commodity	Receipts into PADD I	Ship- ments from PADD I	Net Receipts PADD I	Receipts into PADD 11	Ship- ments from PADD II	Net Receipts	Receipts into PADD III	Ship- ments from PADD III	Net Receipts PADD III	Receipts into PADD IV	Ship- ments from PADD	Net Receipts PADD IV	Receipts into PADD V	Ship- ments from PADD V	Net Receipts PADD V
Crude Oil (Tanker and Barge only)	4,285	0	4,285	1,793	0	1,793	14,560	2,199	12,361	0	0	0	0	18,439	-18,439
Petroleum Products	89.726	8.602	81.124	39,868	12.220	27.648	6.286	116.692	-110.406	2.361	2.855	494	2.134	G	2.128
Natural Gasoline	0	0	0	339	128	2	128		-206	0	5	ကို	0	0	0
Unfractionated Stream	0	0	0	1,825	512	1,313	1,097	1,243	-146	0	1,167	-1,167	0	0	0
Plant Condensate	0	0	0	0	0	0	0	0	0	0	0	0	0	٥	0
Liquefied Petroleum Gases	2,511	0	2,511	5,405	2,964	2,44	2,212	7,042	4,830	50	282	-122	0	0	0
Unfinished Oils	253	2	232	2	288	-267	0	253	-253	0	O	0	288	0	288
Motor Gasoline Blending Components	0	0	0	1,091	٥	1,091	0	1,091	-1,091	0	0	0	0	0	0
 Aviation Gasoline Blending Components 	0	0	0	٥	0	0	0	0	0	0	0	0	0	0	0
Finished Motor Gasoline	48,057	5,651	42,406	18,071	4,748	13,323	1,745	59,207	-57,462	1,542	807	735	966	0	866
Finished Leaded Motor Gasoline	18,506	3,051	15,455	9,220	2,352	6,868	985	24,218	-23,233	865	568	297	613	0	613
Finished Unleaded Motor Gasoline	29,551	2,600	26,951	8,851	2,396	6,455	760	34,989	-34,229	677	239	438	385	٥	385
Finished Aviation Gasoline	161	0	161	245	17	228	0	406	406	17	0	17	0	0	0
Naphtha-Type Jet Fuel	434	121	313	265	ß	200	65	579	-514 4	0	115	-115	116	0	116
Kerosene-Type Jet Fuel	9,965	402	9,563	2,011	695	1,316	103	11,475	-11,372	409	8	371	122	0	122
Kerosene	845	88	807	89	0	88	0	845	-845	0	0	0	0	0	0
Distillate Fuel Oil	18,177	2,137	16,040	8,945	2,148	6,797	962	23,754	-23,092	233	4 4	-798 -7	463	0	463
Residual Fuel Oil	7,726	4	7,722	136	201	8	4	7,661	-7,657	0	0	0	٥	0	0
Naphtha and Other Oils for Petro.															
Feedstock Use	52	27	52	27	8	5 6	0	ភ	Ϋ́	0	0	0	0	0	0
Special Naphthas	229	0	229	163	0	5	0	392	-395	0	0	0	0	0	0
Lubricants	712	₽	612	\$	22	410	72	1,278	-1,163	0	0	0	147	90	14
Waxes	10	0	5	0	0	0	0	10	-10	0	0	0	0	0	o
Asphalt and Road Oil	319	0	319	989 989	87	9	0	920	-920	0	0	0	0	0	0
Miscellaneous Products	275	101	174	104	282	-178	155	151	4	0	0	0	0	0	0
Total All Products	94,011	8,602	85,409	41,661	12,220	29,441	20,846	20,846 118,891	-98,045	2,361	2,855	494	2,134	18,445	18,445 -16,311

Sources: See Explanatory Notes on Data Collection and Estimation.

Table 25. Production of Residual Fuel Oil By Sulfur Content, October 1983 (Thousand Barrels)

		United	States		24,769	2,304 8,270	14 195	}
	כעם	Dist. V	West		680'6	2,441 2,441	5,643	!
			Rocky Mt.	•	298	9 4 101	145	
		Τ	Total		10,953	3,556	6,678	
		New	Mexico	1	38	۰0	ଷ୍ଟ	
	trict III	. La	Ark.	į	90	5 8	Ŗ	
	PAD Dis	La. No. L	Sast	3	5,47 5,80 5,80	1,315	1,821	
		Texas	Coast	0130	317	1,696	4,005	
	}	Texas	nland	e e	g 4	\$ £	3	
	1	Total		2008	118	436	JC+'-	
	- 2	Kans	Mo.	183	ន	5 5 5	3	
		Wisc.	Daks.	252	0	o 4	}	
80	<u> </u>		ž	1,494	8	384		
	Annala.	chian	£	22	0	73 0		
-		Total		2,423	416	5,73 275		Ö.
PAD District	Appala-	S S	F	-	₩	9 6		Estimation
à	1	Coast		νī	4/5	_		ction and
	Commodity			Residual Fuel Oil	0.31 to 1.00% Suffur	Greater Than 1.00% Sulfur	Chimo: Can Frank	Source: See Explanatory Notes on Data Collection and Estim

Table 26. Stocks of Residual Fuel Oil By Sulfur Content, October 1983 (Thousand Barrels)

	United	Ordica	1,617 5,044	6,661	7,473	18,691	11.047	15,012
	PAD Dist. V Weet	Coast	248	572	1,981 665	2,646	3,651	1,407 5,058
	PAD Dist. IV		136 0	136	800	8	236	236
	Total	{	302 67	369	2,849 2,984	5,833	5,008	2,358 7,366
	New	Mexico	e 	1	0	ı	88	11
	= 4	, F	1 73	ļ	88	1	.	1 1
1	La. No. L		L 1	ŀ	1,304	l	1,593	1 1
	Texas	Coast	8 1	1	1,229	ł	3,230	
	Texas		35	l	248	i	96	
	Total		179 259 438	}	577	167	1,269	2,090
		MO MO	۱۱ <u>م</u>		8	Ť	8	1
PAD Dietrict	Minn.	2 2 2	0		١١		198	ł
PA	를 를 찾		158		511		1,036	1
	Appala- chian		o 		<u>+</u> 11		8	ı
	Total		452 4,694 5,146		1,986 6,855 8,841		883 10,426	11,309
PAD District	Appala- chian #1		37		ი 		85	
Æ	East Appala- Coast chian		± 1 1 €		1,983		1 821	1
	Commodity	Residual Fuel Oll 0.00 to 0.30% Sulfur	Bulk Terminal	Residual Fuel Oil - 0.31 to 1.00% Sulfur	nemery Bulk Terminal	Residual Fuel Oil - Greater than 1.00% Sulfur	Bulk Terminal	

Sources: See Explanatory Notes on Data Collection and Estimation.

--- Not Applicable

Table 27. Movements of Residual Fuel ((Thousand Barrels)	Oil by	Tanker	and Bar	ge Betv	al Fuel Oil by Tanker and Barge Between PAD Districts, By Sulfur Content, October 1983	D Distric	ts, By Sı	ılfur Con	itent, Oc	tober 19	83			
Commodity		From I to	١		From II to	ð			From III to	t ⊞				1 1
Signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signal and a signa						L	-					ĺ		LIOIT V 10
	=	=	>	_	=	>	_	New	Sent At	Low	=	>	_	 ==
Residual Fuel Oil	0	_		6) °		_						
0.31 to 1.00% Sulfur	00	_		503	. 0	30	0 0		တ္တ ဝ	6,952	₹ 8	00	06	0
Greater Than 1.00% Sulfur	0	- *	,	2 08	-0	00	5,822	219 285	0 8	5,603	30:	0	-	90
Source: See Explanatory Notes on Data Collection and Estimation.	ction and	1 Estimat	, G			`		ſ	8	1,448	8	0	°	0
														ĺ

Table 28. Imports of Residual Fuel Olf by Sulfur Content by Country of Origin, October 1983 (Thousand Barrels)

	Residual Fuel Oil				
Country	0.00 to 0.30%	0.31 to 1.00%	Greater Than 1.00%	Total	
Ah ODEO					
Arab OPEC	****	040	0	4 000	
Algeria	775	312	· · · · · · · · · · · · · · · · · · ·	1,086	
Iraq	0	0	0	0	
Kuwait	0	0	0	0	
Libya	0	0	0	0	
Qatar	0	0	0	0	
Saudi Arabla	0	0	582	582	
United Arab Emirates	0	0	_0	0	
Subtotal Arab OPEC	775	312	582	1,669	
Other OPEC					
Ecuador	0	0	0	0	
Gabon	0	0	0	0	
Indonesia	434	127	0	561	
Iran	0	0	0	0	
Nigeria	19	0	0	19	
Venezuela	111	232	1,563	1,906	
Subtotal Other OPEC	564	359	1,563	2,486	
Other					
Angola	0	318	0	318	
Australia	Ō	0	0	0	
Bahamas	544	44	1,065	1,652	
Bolivia	0	0	0	0	
Brazil	ŏ	Ö	Ó	0	
Brunei	ŏ	Ō	Ō	0	
Canada	247	278	198	723	
Congo	- 0	174	Ö	174	
Egypt	ŏ	Ö	Õ	0	
France	n	ő	ő	ō	
Ghana	Õ	Ö	ő	Õ	
	Ŏ	ŏ	ő	Ö	
Liberia	Ö	37	Ŏ	37	
Malaysia		0	967	967	
Mexico	(s) 341	0	901	341	
Netherlands	341 0	2 5 8	3,290	3,548	
Netherlands Antilles	0	200	0	0,040	
Norway	0	0	0	0	
Oman	0	0	Ŏ	Õ	
People's Republic of China	0	0	237	237	
Peru	0	0	0	237	
Puerto Rico	0	0	0	0	
Romania	0	0	0	. 0	
Spain	0	0	0	0	
Syria	-	0	313	313	
Trinidad	0	0	0	0	
Tunisia	0	•	0	183	
United Kingdom	0	183		4.893	
Virgin Islands	1,370	2,243	1,281	4,693 0	
Yugoslavia	0	0	0	0	
Zaire	0	0	0	1,167	
Other Western Hemisphere	1,167	•			
Other Eastern Hemisphere	314	492	130	936	
Subtotal Other	3,984	4,026	7,480	15,490	
otal Imports	5,324	4,697	9,624	19,645	

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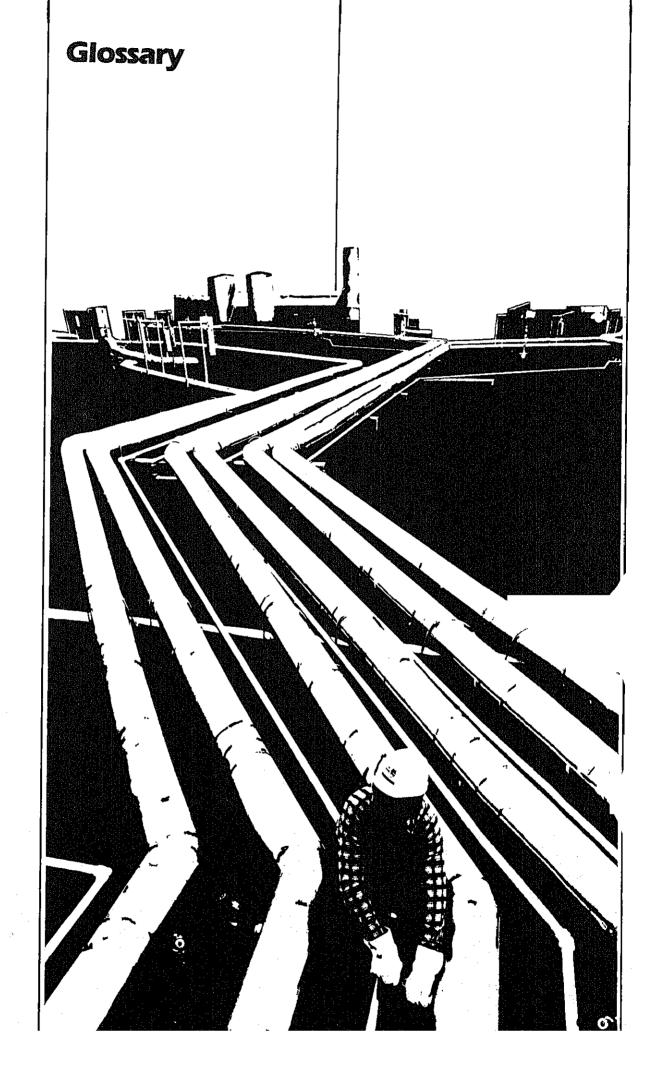
(s) Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding. Sources: See Explanatory Notes on Data Collection and Estimation.

Table 29. Imports of Residual Fuel Oil by Sulfur Content by State of Entry, October 1983 (Thousand Barrels)

PAD District I 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to 0.00 to	otalo.		Residue	Residual Fuel Oil	
4,458 3,986 8,656 264 0 0 0 0 0 0 0 0 106 0 345 106 0 389 106 0 389 106 0 319 106 0 1,451 481 459 1,451 1451 4,559 1,451 1451 2,191 2,719 1451 2,191 2,719 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0<	DINO	0.00 to 0.30%	0.31 to 1.00%	Groater Than 1,00%	Total
4,458 3,986 9,656 7 0 0 0 10 0 127 0 106 0 127 0 106 0 1,451 0 106 0 1,454 2,719 106 0 0 0 106 0 0 0 106 0 0 0 106 0 0 0 107 0 0 0 108 0 0 0 109 0 0 0 109 0 0 0 109 0 0 0 109 0 0 0 109 0 0 0 109 0 0 0 109 0 0 0 109 0 0 0 109 0 0 0 109 0 0 0 109 0 0 0 109 0 0 0 109 0 0 0 109 0 0 0 109 0<	PAD District				
(e) 0 0 (e) 0 345 650 106 0 389 106 0 1,451 481 459 1,00 106 0 1,451 481 459 1,454 106 0 0 107 1,451 1,454 108 0 0 108 0 0 108 0 0 108 0 0 109 0 0 10 0 0 10 0 0 10 0 0 10 0 0 10 0 0 10 0 0 10 0 0 10 0 0 118 0 0 121 0 0 130 0 0 130 0 0 130 0 0 130 0 0 130 0 0 130 0 0 130 0 0 130 0 0 130 </td <td>Connecticut</td> <td>4,458</td> <td>3,986</td> <td>8 6.75</td> <td>;</td>	Connecticut	4,458	3,986	8 6.75	;
(a) 345 650 650 745 650 745 745 745 745 745 745 745 745 745 745	Delawara	264	0	0000	17,100
(a) 345 650 99 100 389 106 0 389 106 0 1,451 481 459 1,451 481 459 1,451 106 0 1,451 106 0 0 10 0 0 10 0 0 10 0 0 10 0 0 10 0 0 10 18 10 18 10 435 239 10 18 10 18 10 18 10 18 10 435 130 10 435 130 10 435 130 10 435 130 10 435 130 10 435 130 10 435 130 10 435 130 10 435 130 10 435 130 10 435 130 10 130 130 10 130 130 10	Florida	0	. 0) t	564
(e) (e) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Major	0	345	721	127
99 106 309 481 459 1451 481 459 1454 3,500 2,191 2,719 0 0 336 0 0 324 0 0 324 168 44 37 0 0 0 0 0 3 0 0 3 0 0 3 0 0 34 0 0 3 0 0 3 0 0 3 0 0 0 0 0 0 0 18 0 435 130 130 435 130 130 435 130 130 435 130 130 435 130	Mandand	(s)	2	000	982
106 0 1,451 481 459 1,451 481 459 1,451 3,500 2,191 2,719 0 0 326 216 44 37 168 0 0 0 0 3 0 0 0 0 0 3 0 0 3 0 0 3 0 0 3 0 0 3 0 0 3 0 18 0 18 0 18 0 18 0 435 329 130 130 130 435 130 130 435 130 130 435 130 130 435 130 130 435 130 130 435 130 130 435 130 130 435 130 130 435 435 130 435 435 130 130 130 130 130 130 <t< td=""><td>Address of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s</td><td>66</td><td>,00</td><td>585</td><td>389</td></t<>	Address of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	66	,00	585	389
481 459 1451 3,500 2,191 2,719 0 568 425 0 0 338 16 44 37 168 0 0 3 0 34 44 37 0 3 0 34 44 37 0 44 37 0 44 0 0 23 232 584 21 0 18 21 0 18 (s) 435 329 (s) 0 435 130 455 130 435 130	Massachusetts	105	3'	319	518
3,500 2,131 1,454 0 5,68 4,25 0 0 324 10 0 0 10 44 37 168 0 0 0 44 37 168 0 0 0 0 34 44 0 0 3 0 34 44 0 0 21 0 0 21 0 18 21 0 18 (s) 435 329 (s) 435 130 455 130 457 9,624 4,697	New Jersey	78.) !	1,451	1557
5,500 2,191 2,719 0 568 425 0 0 338 168 44 37 168 0 0 168 0 0 3 0 34 44 37 0 44 37 0 44 0 0 628 232 584 21 0 18 (5) (5) 18 (7) 435 130 (8) 0 435 130 (8) 0 435 130 (8) 0 435 130 44 4,697 9,624 44	New York	- 00	459	1.454	0000
568 425 8 0 338 0 324 425 168 44 37 168 44 37 168 0 0 3 0 34 44 0 0 228 232 584 27 0 18 27 0 18 27 0 18 28 232 584 27 0 18 27 0 18 27 0 435 130 28 329 130 44 4,697 9,624 45 4,697 9,624	Pennsylvania	one's	2,191	2719	2,000
216 44 37 216 44 37 168 0 0 0 0 3 168 0 0 23 0 3 44 37 0 628 232 584 21 0 18 21 0 18 (5) (5) 199 (7) 44 4,697 9,624	South Carolina	D	568	426	6,409
216 44 37 168 44 37 168 0 0 3 0 34 44 37 0 168 0 0 3 0 34 44 0 0 628 232 584 532 584 532 435 584 (s) 0 18 (s) 0 435 130 (s) 0 435 130 (s) 0 435 130 44 0 0 435 130 455 130 435 130	Vermont	0	c	C3t 0	883
216 44 784 0 44 37 0 44 37 168 0 0 0 0 34 44 37 0 168 0 3 44 0 34 44 0 34 528 232 584 532 584 584 532 435 18 68 8 0 18 69 0 435 130 69 435 130 74 4,697 9,624 74 4,697 9,624	Vertical and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second	80	· c	338	338
216 44 37 0 44 37 168 0 0 0 0 3 44 37 0 3 0 34 44 0 3 628 232 584 53 435 584 18 18 18 18 19 199 10 435 130 44,697 9,624 10 435 130	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	C	7 6	Ö	60
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44 37 168 44 37 168 0 0 0 0 3 44 0 34 44 0 34 628 232 584 1, 628 232 584 1, 7 21 0 18 8 (5) 435 329 9 435 130 10 435 130 10 435 130 10 435 130		216	;		
168	Siouill	i	4	37	298
108 0 0 3 3 4 4 4 4 4 4 4 4	Michigan	2 (44	0	1
628 232 584 1, 628 232 584 1, 7 21 0 18 8 435 329 8 (s) 435 329 9 435 130 10 435 130 10 435 130 10 435 130 10 435 130 10 435 130 10 435 130 10 435 130 10 435 130 10 435 130 10 435 130 10 435 130 10 435 130 10 435 130 10 435 130 10 435 130 10 435 130 10 435 130 10 435 130 10 435 130 10 435 130 10 435 130 10 435 130 10 435 130 10 435 130 10 435	Minnesota	168	0		‡ ;
44 0 34 628 232 584 1, 628 232 584 1, 7 21 0 18 7 21 0 18 8 435 329 (5) 435 329 (5) 0 435 130 199 130 10 435 130 10 435 130	North Dakota	0	0	» «	89
44 0 034 628 232 584 1, 628 232 584 1, 7 21 0 18 1, 8 435 329 199 8 (s) 0 199 9 435 130 10 435 130 10 435 130	Microneia	ო	· C	° 2	m
628 232 584 1, 628 232 584 1, 628 232 584 1, 7 21 0 18 8 435 329 9 435 329 9 435 130 10 435 130 10 435 130		4	0	* C	37
628 232 584 628 232 584 21 0 18 21 0 18 (5) 435 329 (7) (8) 0 199 (8) 0 199 (9) 0 435 130 (10) 435 130 (10) 435 130	AD District III	,		,	4
628 232 564 21 0 18 21 0 18 21 0 18 31 435 329 (s) 0 199 (s) 0 435 130 (s) 435 130 (s) 435 130 (s) 435 130	[exas	628	232	584	•
21 0 18 21 0 18 31 0 18 (*) 435 329 (*) 0 436 (*) 0 436 (*) 0 436 (*) 0 436 (*) 0 436 (*) 0 436 (*) 0 436 (*) 0 436 (*) 0 436 (*) 0 436 (*) 0 436 (*) 0 436 (*) 0 436 (*) 0 436 (*) 0 436 (*) 0 436 (*) 0 436 (*) 0 436 (*) 0 436 (*) 0 436 (*) 0 436 (*) 0 436 (*) 0 436 (*) 0 436 (*) 0 436 (*) 0 436 (*) 0 436 (*) 0 436	***************************************	929	232	584	1,444
(s) 435 329 7 (s) 435 329 7 (s) 0 435 130 7 (s) 6,3 435 130 7 (s) 6,34 4,697 9,624 196.2	D District IV	į			**
(s) 435 329 7 (s) 0 199 7 (s) 0 199 7 (s) 0 435 130 5 5,324 4,697 9,624	Aontana	. .	0	87	Š
(s) 435 329 7 (s) 0 199 1 (a) 435 130 5		7.7	٥) (3
(s) 435 329 (n) (n) (n) (n) (n) (n) (n) (n) (n) (n)	D District V			2	55
(s) 0 123 0 435 130 5,324 4,697 9,624	alifornía	(s)	435	320	1
		<u>@</u>	c	600	92
5,324 4,697 9,624 10	ומא בונ		435	5 C	199
5,324 4,697 9,624	PAD Dietricte		1	25	256
	**************************************	5,324	4,697	9.624	100

(s) Less than 500 barrels.
Note: Total may not equal sum of components due to independent rounding.
Sources: See Explanatory Notes on Data Collection and Estimation.



Definitions of Petroleum Products and Other Terms

Alcohol. The family name of a group of organic chemical compounds composed of carbon, hydrogen, and oxygen. The series of molecules vary in chain length and are composed of a hydrocarbon plus a hydroxyl group; CH-(CH)n-OH. Alcohol includes methanol and ethanol.

Aikylation. A refinery process for chemically combining isoparaffin with olefin hydrocarbons. The product, alkylate, has high octane value and is blended with motor and aviation gasoline to improve the antiknock value of the fuel.

API Gravity. An arbitrary scale expressing the gravity or density of liquid petroleum products. The measuring scale is calibrated in terms of degrees API; it may be calculated in terms of the following formula:

Deg API =
$$\frac{141.5}{\text{sp gr 60F/60F}}$$
 - 131.5

Aromatics. Hydrocarbons characterized by unsaturated ring structures of carbon atoms. Commercial petroleum aromatics are benzene, toluene, and xylene.

Asphait. A dark-brown-to-black cement-like material, containing bitumens as the predominant constituents, obtained by petroleum processing. The definition includes crude asphalt as well as the following finished products: cements, fluxes, the asphalt content of emulsions (exclusive of water), and petroleum distillates blended with asphalt to make cutback asphalts. The conversion factor for asphalt is 5.5 barrels of 42 U.S. gallons per short-ton.

ASTM. The acronym for the American Society for Testing and Materials.

Aviation Gasoline Blending Components. Finished components in the gasoline range which will be used for blending or compounding into finished aviation gasoline.

Aviation Gasoline, Finished. All special grades of gasoline for use in aviation reciprocating engines, as given in ASTM Specification D910 and Military Specification MIL-G-5572. Excludes blending components which will be used in blending or compounding into finished aviation gasoline.

Barrel. A volumetric unit of measure for crude oil and petroleum products equivalent to 42 U.S. gallons. This measure is used in most statistical reports. Factors for converting petroleum coke, asphalt and wax to barrels are given in the definitions for these products.

Barrels per Calendar Day. The maximum number of barrels of input that can be processed in a twenty-four hour period after making allowances for the following limitations: downstream limitations, environmental constraints, types and grades of inputs, planned and unplanned downtime, and types and grades of products.

Barrels Per Stream Day. The amount a unit can process running at full capacity under optimal crude and product slate conditions.

Bi-metallic. A term used to describe a type of catalyst. A catalytic process utilizing a catalyst comprised of two metals (e.g., platinum, rhenium).

Butane. A normally gaseous paraffinic hydrocarbon, C4H10. It is extracted from natural gas or refinery gas streams. Butane is covered by ASTM Specification D1835 and Gas Processors Association Specification for commercial butane.

Isobutane. A saturated straight-chain hydrocarbon of butane. It is a colorless paraffinic gas that boils at a temperature of 10.9 degrees F. This classification includes mixtures of gases that contain 80 percent liquid volume or more isobutane. It is extracted from natural gas and refinery gas streams.

Normal Butane. A saturated straight-chain hydrocarbon of butane. It is a colorless paraffinic gas that boils at a temperature of 31.1 degrees F. This classification includes mixtures of gases that contain 80 percent or more normal butane,

Other Butanes. All butanes not included as normal butane or isobutane.

Butane-Propane Mixtures. Mixtures consisting exclusively of butane and propane that conform to ASTM Specification D1835 and Gas Processors Association Specification for commercial butane-propane mixtures. They are extracted from natural gas and refinery gas streams.

Butylene. An olefinic hydrocarbon, C4H8, recovered from refinery processes.

Catalytic Cracking. The refining process of breaking down the larger, heavier, and more complex hydrocarbon molecules into simpler and lighter molecules. Catalytic cracking is accomplished by the use of a catalytic agent and is an effective process for increasing the yield of gasoline from crude oil.

Catalytic Hydrocracking. A refining process for converting middle boiling or residual material to high-octane gasoline, reformer charge stock, jet fuel and/or high grade fuel oil. Hydrocracking is an efficient, relatively low temperature process using hydrogen and a catalyst.

Catalytic Hydrotreating. A process for treating petroleum fractions (e.g., distillate fuel oil and residual fuel oil) and unfinished oils (e.g., naphthas, reformer feeds and heavy gas oil) in the presence of catalysts and substantial quantities of hydrogen to upgrade their quality.

Catalytic Reforming. The use of controlled heat and pressure with catalysts to effect the rearrangement of certain hydrocarbon molecules without altering their composition appreciably; the conversion of low-octane

gasoline fractions into higher octane stocks suitable for blending into finished gasoline; also the conversion of naphthas to obtain a more volatile product of higher octane number.

Conventional. A term used to describe a type of catalyst. A catalytic process utilizing a catalyst comprised of a metal and a non-metal (e.g., platinum, alumina).

Coal. A generic term applied to carbonaceous rocks that were formed by the partial or complete decomposition of vegetation. These stratified carbonaceous rocks are either solid or brittle and are highly combustible. Includes lignite, bituminous coal, and anthracite coal which conform to ASTM Specification D388.

Crude Distillation. The refining process of separating crude oil components by heating and subsequent condensing of the fractions by cooling.

Crude Oil (including Lease Condensate). A mixture of hydrocarbons that existed in liquid phase in underground reservoirs and remains liquid at atmospheric pressure after passing through surface separating facilities. Included are lease condensate and liquid hydrocarbons produced from tar sands, gilsonite and oil shale. Drip gas is also included, but topped crude oil (residuai oil) and other unfinished oils are excluded. Liquids produced at natural gas processing plants and mixed with crude oil are likewise excluded where identifiable. Crude oil is considered as either domestic or foreign according to the following:

Domestic. Crude oil produced in the United States or from its outer continental shelf as defined in 43 U.S.C. 1331.

Foreign. Crude oil produced outside the United States.

Delayed Coking. A process to produce low Conradson carbon gas for catalytic cracking feedstock and for gasoline.

Distillate Fuel Oil. A general classification for one of the petroleum fractions produced in conventional distillation operations. It is used primarily for space heating, on-and-off-highway diesel engine fuel (including railroad engine fuel and fuel for agricultural machinery), and electric power generation. Included are products known as No. 1, No. 2, and No. 4 fuel oils; No. 1, No. 2, and No. 4 diesel fuel.

No. 1 Fuel Oil. A light distillate fuel oil intended for use in vaporizing pot-type burners. ASTM Specification D396 specifies for this grade maximum distillation temperatures of 420 degrees F. at the 10-percent point and 550 degrees F. at the 90-percent point, and kinematic viscosities between 1.4 and 2.2 centistokes at 100 degrees F.

No. 2 Fuel Oil. A distillate fuel oil for use in atomizingtype burners for domestic heating or for moderate capacity commercial-industrial burner units. ASTM Specification D396 specifies for this grade distillation temperatures at the 90-percent point between 540 degrees and 640 degrees F., and kinematic viscosities between 2.0 and 3.6 centistokes at 100 degrees F.

No. 1 and No. 2 Diesel Fuel Oils. Distillate fuel oils used in compression-ignition engines, as given by ASTM Specification D975:

No. 1-D. A volatile distillate fuel oil with a boiling range between 300-575 degrees F. and used in high-speed diesel engines generally operated under wide variations in speed and load. Includes type C-B diesel fuel used for city buses and similar operations. Properties are defined in ASTM Specifications D975.

No. 2-D. A gas oil type distillate of lower volatility with distillation temperatures at the 90-percent point between 540-640 degrees F. for use in high-speed diesel engines generally operated under uniform speed and load conditions. Includes Type R-R diesel fuel used for railroad locomotive engines, and Type T-T for diesel-engine trucks. Properties are defined in ASTM Specification D975.

No. 4 Fuel Oil. A fuel oil for commercial burner installations not equipped with preheating facilities. It is used extensively in industrial plants. This grade is a blend of distillate fuel oil and residual fuel oil stocks that conforms to ASTM Specification D396 or Federal Specification VV-F-815C; its kinematic viscosity is between 5.8 and 26.4 centistokes at 100 degrees F. Also included is No. 4-D, a fuel oil for low- and medium-speed diesel engines that conforms to ASTM Specification D975.

Eastern Hemisphere. That half of the earth east of the Atlantic Ocean which includes Europe, Asia, Africa, and Australia. The Hawaiian Foreign Trade Zone is in this hemisphere.

Electric Energy (Purchased). Electricity purchased for refinery operations that is not produced within the refinery complex.

Ethans. A normally gaseous paraffinic compound (C2H6) extracted from natural gas and refinery gas streams. "Ethane" includes any products containing 90 percent liquid volume or more ethane.

Ethane-Propane Mixtures. Mixtures of ethane and propane in which neither component is 90 percent or more of the liquid volume. It is extracted from natural gas and refinery gas streams.

Ethylene. An olefinic hydrocarbon, (C2H4) recovered from refinery or petrochemical processes.

Field Production. Represents crude oil production on leases, natural gas liquids production at natural gas processing plants, and new supply of other hydrocarbons and alcohol.

Fluid Coking. A thermal process utilizing the fluidizedsolids technique for continuous conversion of heavy, low-grade oils into lighter products.

Gasoline Blending Components. Finished components in the gasoline range which will be used for blending or compounding into finished aviation or motor gasoline.

Gas Oil. A liquid petroleum distillate having a viscosity intermediate between that of kerosene and lubricating oil. Derives its name from having originally been used in the manufacture of illuminating gas. Now supplies distillate-type fuel oils and diesel fuel, also cracked to produce gasoline.

Imported Crude Oil Burned as Fuel. The amount of foreign crude oil burned as a fuel oil, usually as residual fuel oil, without being processed as such. Imported crude oil burned as fuel includes lease condensate and liquid hydrocarbons produced from tar sand oil, gilsonlte, and oil shale.

Isomerization. A refining process which alters the fundamental arrangement of atoms in the molecule. Used to convert normal butane into isobutane, an alkylation process feedstock, and normal pentane and hexane into isopentane and isohexane, high-octane gasoline components.

Kerosene. A petroleum distillate that boils at a temperature between 300-550 degrees F., that has a flash point higher than 100 degrees F. by ASTM Method D56, that has a gravity range from 40-46 degrees API, and that has a burning point in the range of 150-175 degrees F. Included are the two classifications recognized by ASTM D-3699: No. 1-K and No. 2-K, and all grades of kerosene called range or stove oil which have properties similar to No. 1 fuel oil, but with a gravity of about 43 degrees API and a maximum end-point of 625 degrees F. Kerosene is used in space heaters, cook stoves, and water heaters and is suitable for use as an illuminant when burned in wick lamps.

Kerosene-Type Jet Fuel. A quality kerosene product with an average gravity of 40.7 degrees API, a 10 percent distillation temperature of 400 degrees F. It is covered by ASTM Specification D1655 and Military Specifications MIL-T-5624L (Grades JP-5 and JP-8). A relatively low-freezing point distillate of the kerosene type; it is used primarily for commercial turbojet and turboprop aircraft engines.

Lease Condensate. A natural gas liquid recovered from gas well gas (associated and non-associated) in lease separators or natural gas field facilities. Lease condensate consists primarily of pentanes and heavier hydrocarbons

Liquefied Petroleum Gases (LPG). Propane, propylene, butanes, butylene, butane-propane mixtures, ethane-propane mixtures, and isobutane produced at refineries or natural gas processing plants, including plants that fractionate raw natural gas plant liquids.

Liquefied Refinery Gases (LRG). Liquefied petroleum gases fractionated from refinery or still gases. Through compression and/or refrigeration they are retained in the liquid state. The reported categories are ethane and/or ethylene, propane and/or propylene, butane and/or butylene, butane-propane mixtures, and isobutane. Excludes still gases used for chemical or rubber manufacture which are reported as a petrochemical feedstock and also excludes liquefied gases ready for blending into gasoline which are reported as gasoline blending components. Liquefied refinery gases are reported for use as petrochemical feedstocks or other uses.

Lubricating Oils. A substance used to reduce friction between bearing surfaces. Petroleum lubricants may be produced either from distillates or residues. Other substances may be added to impart or improve certain required properties. Lubricants includes all grades of lubricating oils from spindle oil to cylinder oil and those used in greases. The three categories include Bright Stock, Neutral, and Other.

Bright Stock. A refined, high viscosity lubricating oil base stock that is usually made from residuum by a treatment such as deasphalting, acid treatment, or solvent extraction.

Neutral. A distillate lubricating oil base stock with a viscosity that is usually not above 550 Saybolt Universal Seconds (SUS) at 100 degrees F. It is prepared by a treatment such as hydrofining, acid treatment, or solvent extraction.

Other. A lubricating oil base stock used in finished inbricating oils and greases, including black, coastal, and red oils.

Middle Distillates. A general classification that includes distillate fuel oil and kerosene.

Miscellaneous Products. Includes all finished products not classified elsewhere, e.g., petrolatum, absorption oils, ram-jet fuel, petroleum rocket fuels, synthetic natural gas feedstocks, speciality oils and medicinal oils.

Motor Gasoline Biending Components. Finished components in the gasoline range which will be used for blending or compounding into finished motor gasoline. Pool gasoline is included in this category.

Motor Gasoline, Finished. A complex mixture of relatively volatile hydrocarbons, with or without small quantities of additives, that have been blended to form a fuel suitable for use in spark-ignition engines. Specifications for motor gasoline, as given in ASTM Specification D439 or Federal Specification VV-G-1690B, Include a boiling range of 122 degrees to 158 degrees F. at the 10-percent point to 365 degrees to 374 degrees F. at the 90-percent point and a Reid vapor pressure range from 9 to 15 psl. Motor gasoline includes finished leaded gasoline, finished unleaded gasoline, and gasohol. Blendstock is excluded until blending has been completed. Alcohol that is to be used in the blending of gasohol is also excluded.

Finished Leaded Gasoline. Contains more than 0.05 gram of lead per gallon or more than 0.005 gram of phosphorus per gallon. The actual lead content of any given gallon, however, may vary as a function of the size of the producer and company according to specific Environmental Protection Agency walver provisions. Premium and regular grades are included, depending on the octane rating. Includes leaded gasohol. Blendstock is excluded until blending has been completed. Alcohol that is to be used in the blending of gasohol is also excluded.

Finished Unleaded Gasoline. Contains not more than 0.05 gram of lead per gallon and not more than 0.005 gram of phosphorus per gallon. Premlum and regular grades are included, depending on the octane rating. Includes unleaded gasohol. Blend stock is excluded until blending has been completed. Alcohol that is to be used in the blending of gasohol is also excluded.

Gasohoi. A blend of finished motor gasoline (leaded or unleaded) and alcohol (generally ethanol but sometimes methanol) in which 10 percent or more of the product is alcohol.

Motor Gasoline, Total. Includes finished leaded motor gasoline, finished unleaded motor gasoline, motor gasoline blending components, and gasohol.

Naphtha-Type Jet Fuel. A fuel in the heavy naphtha boiling range with an average gravity of 52.8 degrees API and 20 to 90 percent distillation temperatures of 290 degrees to 470 degrees F., meeting Military Specification MIL-T-5624L (Grade JP-4). JP-4 is used for turbojet and turboprop aircraft engines, primarily by the military. Excludes ram-jet and petroleum rocket fuels.

Natural Gas. A mixture of hydrocarbons and small quantities of various nonhydrocarbons existing in the gaseous phase or in solution with crude oil in underground reservoirs.

Natural Gas Field Facility. A field facility designed to process natural gas produced from more than one lease for the purpose of recovering condensate from a stream of natural gas; however, some field facilities are designed to recover propane, butane, natural gasoline, etc., and to control the quality of natural gas to be marketed.

Natural Gas Plant Liquids. Natural gas liquids recovered from natural gas in gas processing plants, and in some situations, from natural gas field facilities. Natural gas liquids extracted by fractionators are also included. These liquids are defined according to the published specifications of the Gas Processors Association and the American Society for Testing and Materials, and are classified as follows: Ethane, propane, ethane-propane mix, isobutane, butane, butane-propane mix, isopentane, natural gasoline, plant condensate, unfractionated stream, and other products from natural gas processing plants (i.e., products meeting the standards of finished petroleum products produced at natural gas processing plants, such as finished

motor gasoline, finished aviation gasoline, special naphthas, kerosene, distillate fuel oil, and miscellaneous products).

Natural Gasoline and Isopentane. A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas, that meets vapor pressure, end-point, and other specifications for natural gasoline set by the Gas Processors Association. Includes isopentane which is a saturated branch-chain hydrocarbon, C5H12, obtained by fractionation of natural gasoline or isomerization of normal pentane.

OPEC. The acronym for the Organization of Petroleum Exporting Countries, oil-producing and exporting countries that have organized for the purpose of negotiating with oil companies on matters of oil production, prices, and future concession rights. Current members are Algeria, Ecuador, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates, and Venezuela.

Operable Distillation Capacity. The maximum amount of input that can be processed by a crude oil distillation unit in a 24-hour period, making allowances for processing limitations due to types and grades of inputs, limitations of downstream facilities, scheduled and unscheduled downtimes, and environmental constraints. Includes any shutdown capacity that could be placed in operation within 90 days.

Other Hydrocarbons. Materials received by a refinery and consumed as raw materials. Includes hydrogen, coal tar derivatives, gilsonite, and natural gas received by the refinery for reforming into hydrogen. Natural gas to be used as fuel is excluded.

Petrochemical Feedstock Use. Chemical feedstocks derived from petroleum, principally for the manufacture of chemicals, synthetic rubber, and a variety of plastics. The categories reported are Naphtha-less than 400 degrees F. end-point and Other oils-over 400 degrees F. end-point.

Naphtha-Less Than 400 Degrees F. End-Point. A naphtha with an end point of less than 400 degrees F. that is reported as used as a petrochemical feed-stock.

Other Oils-Over 400 Degrees F. End-Point. Oils with an end point over 400 degrees F. that is reported as used as a petrochemical feedstock.

Petroleum Coke. A residue, the final product of the condensation process in cracking. This product is reported as marketable coke or catalyst coke. The conversion factor is five barrels of 42 U.S. gallons per short ton.

Marketable Coke. Those grades of coke produced in delayed or fluid cokers which may be recovered as relatively pure carbon. This green coke may be sold or further purified by calcining.

Catalyst Coke. in many catalytic operations (i.e., catalytic cracking) carbon is deposited on the catalyst, thus deactivating the catalyst. The catalyst is reactivated by burning off the carbon, which is used as a fuel in the refinery process. This carbon or coke is not recoverable in a concentrated form.

Petroleum Products. Petroleum products are obtained from the processing of crude oil (Including lease condensate), natural gas, and other hydrocarbon compounds. Petroleum products include unfinished oils, natural gasoline and isopentane, plant condensate, unfractionated stream, liquefied petroleum gases; aviation gasoline, motor gasoline, naphtha-type jet fuel, kerosene-type jet fuel, kerosene, distillate fuel oil, residual fuel oil, naphtha less than 400° F. end-point, other oils-over 400° F. end-point, special naphthas, lubricants, waxes, petroleum coke, asphalt, road oil, still gas, and miscellaneous products.

Petroleum Refinery. An Installation that manufactures finished petroleum products from crude oil, unfinished oils, natural gas liquids, other hydrocarbons, and alcohol.

Plant Condensate. One of the natural gas liquids, mostly pentanes and heavier hydrocarbons, recovered and separated as liquids at gas inlet separators or scrubbers in processing plants.

Primary Stocks. Stocks of crude oil or petroleum products held in storage at (or in) leases, refineries, natural gas processing plants, pipelines, tankfarms, and bulk terminals that can store at least 50,000 barrels of petroleum products or that can receive petroleum products by tanker, barge, or pipeline. Crude oil that is in transit from Alaska, or that is stored on Federal leases or in the Strategic Petroleum Reserve is included. Primary Stocks excludes stocks of foreign origin that are held in bonded warehouse storage.

Propane. A normally gaseous paraffinic compound, C3H8, which includes all products covered by NGPA Specification for commercial and HD-5 propane and ASTM Specification D1835. It is used primarily as a fuel and as a petrochemical feedstock.

Propylene. An olefinic hydrocarbon, C3H6, recovered from refinery or petrochemical processes.

Residual Fuel Oil. The topped crude of refinery operation which includes No. 5 and No. 6 fuel oils as defined in ASTM Specification D396 and Federal Specification VV-F-815C, Navy Special fuel oil as defined in Military Specification MiL-F-859E including Amendment 2 (NATO Symbol F-77), and Bunker C fuel oil. Residual fuel oil is used for the production of electric power, space heating, vessel bunkering, and various industrial purposes. Includes imported crude oil to be burned as a fuel.

Road Oil. Any heavy petroleum oil, including residual asphaltic oil used as a dust pallative and surface treatment on roads and highways. It is generally produced in

six grades from 0, the most liquid, to 5, the most viscous.

Special Naphthas. All finished products within the gasoline range that are used as paint thinners, cleaners, or solvents. These products are refined to a specified flash point and have a bolling range of 90 degrees to 220 degrees F. Special naphthas includes all commercial hexane and cleaning solvents conforming to ASTM Specifications D1836 and D484, respectively. Naphthas to be blended or marketed as motor gasoline or aviation gasoline or that are to be used as petrochemical and synthetic natural gas (SNG) feedstocks are excluded.

Steam (Purchased). Steam, purchased for use by a refinery, that was not generated from within the refinery complex.

Still Gas (Refinery Gas). Any form or mixture of gas produced in refineries by distillation cracking, reforming, and other processes. The principal constituents are methane, ethane, ethylene, butane, butylene, propane, propylene, etc. Still gas is reported for petrochemical feedstock use and/or refinery fuel use.

Petrochemical Feedstock Use. Includes all refinery streams which are used by chemical or rubber manufacturing operations for further processing, less the amount of such streams returned to the source refinery. Finished petrochemical products are not included. For example, polyethylene, butadiene, etc., are considered petrochemical products; therefore, only their feed-stock equivalents are included.

Fuel Use. All other still gas.

Strategic Petroleum Reserve (SPR). Stocks (currently, only crude oil) maintained by the Federal Government for use during periods of major supply interruption.

Thermal Cracking. A refining process in which heat and pressure are used to break down, rearrange, or combine hydrocarbon molecules. Thermal cracking is used to increase the yield of gasoline obtainable from crude oil.

Unfinished Olis. Includes all oils requiring further processing, except those requiring only mechanical blending.

Unfractionated Streams. Mixtures of unsegregated natural gas liquid components excluding those included in plant condensate. This product is extracted from natural gas.

Vacuum Distillation. Distillation under reduced pressure (less the atmospheric) which lowers the boiling temperature of the liquid being distilled. This technique, with its relatively low temperatures, prevents cracking or decomposition of the charge stock.

Visbreaking. A thermal cracking process in which heavy vacuum-still bottoms produced on the primary

distillation unit are cracked to increase production of distillate products.

Wax. A solid or semi-solid material derived from petroleum distillates or residues by such treatments as chilling, precipitating with a solvent, or de-oiling. It is lightcolored, more-or-less translucent crystalline mass, slightly greasy to the touch, consisting of a mixture of solid hydrocarbons in which the paraffin series predominates. Includes all marketable wax whether crude scale or fully refined. The three grades included are microcrystalline, crystalline-fully refined, and crystalline-other. The conversion factor is 280 pounds per 42galion barrel.

Microcrystalline Wax. Wax extracted from certain petroleum residues having a finer and less apparent crystalline structure than paraffin wax and having the following physical characteristics:

Penetration at 77 degrees F. (D-1321)-60 maximum. Viscosity at 210 degrees F. in Saybolt Universal Sec-

onds (SUS) (D-88)-60 SUS (10.22 centistokes) minimum to 150 SUS (31.8 centistokes) maximum. Oil content (D-721)-5 percent minimum.

Crystalline-Fully Refined Wax. A light-colored paraffin wax having the following characteristics:

Viscosity at 210 degrees F. (D-88)-59.9 SUS (10.18 centistokes) maximum. Oil Content (D-721)-0.5 percent maximum. Other + 20 color, Saybolt minimum.

Crystalline-Other Wax. A paraffin wax having the following characteristics:

Viscosity at 210 degrees F. (D-88)-59.9 SUS (10.18 centistokes) maximum. Oil Content (D-721)-0.51 percent minimum to 15 percent maximum.

Western Hemisphere. That half of the earth that includes North and South America and the surrounding waters.

Bureau of Mines Petroleum Refining Districts and PAD Districts

The following are the Bureau of Mines petroleum refining districts which make up the PAD districts:

PAD District I

East Coast: District of Columbia and the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New Jersey, Delaware, Maryland, Virginia, North Carolina, South Carolina, Georgia, Fiorida, and the following countles of the State of New York: Cayuga, Tompkins, Chemung and all countles east and north thereof. Also the following countles in the State of Pennsylvania: Bradford, Sullivan, Columbia, Montour, Northumberland, Dauphin, York, and all countles east thereof.

Appalachian #1: The State of West Virginia and those parts of the States of Pennsylvania and New York not included in the East Coast District.

PAD District II

Appalachian #2: The following counties of the State of Ohio: Erle, Huron, Crawford, Marion, Delaware, Franklin, Pickaway, Ross, Pike, Scioto, and all counties east thereof.

Indiana—Illinois—Kentucky: The States of Indiana, Illinois, Kentucky, Tennessee, Michigan, and that part of the State of Ohio not included in the Appalachian District.

Minnesota—Wisconsin—North and South Dakota: The States of Minnesota, Wisconsin, North Dakota, and South Dakota.

Oklahoma—Kansas—Missouri: The States of Oklahoma, Kansas, Missouri, Nebraska, and Iowa.

PAD District III

Texas Inland: The State of Texas except the Texas Gulf Coast District.

Texas Guif Coast: The following countles of the State of Texas: Newton, Orange, Jefferson, Jasper, Tyler, Hardin, Liberty, Chambers, Polk, San Jacinto, Montgomery, Harris, Galveston, Waller, Fort Bend, Brazorla, Wharton, Matagorda, Jackson, Victoria, Calhoun, Refuglo, Aransas, San Patricio, Nueces, Kleberg, Kenedy, Willacy, and Cameron.

Louisiana Guif Coast: The following Parishes of the State of Louisiana: Vernon, Rapides, Avoyelles, Pointe Coupee, West Feliciana, East Feliciana, Saint Helena, Tangipahoa, Washington, and all Parishes south thereof. Also the following counties of the State of Mississippi: Pearl River, Stone, George, Hancock, Harrison, and Jackson. Also the following counties of the State of Alabama: Mobile and Baldwin.

North Louisiana—Arkansas: The State of Arkansas and those parts of the States of Louisiana, Mississippi, and Alabama not included in the Louisiana Gulf Coast District

New Mexico: The State of New Mexico.

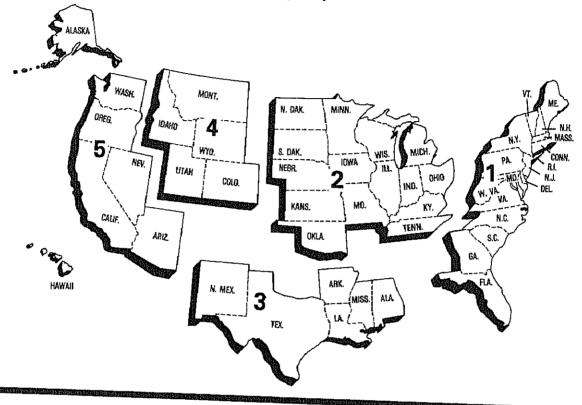
PAD District IV

Rocky Mountain: The States of Montana, Idaho, Wyoming, Utah, and Colorado.

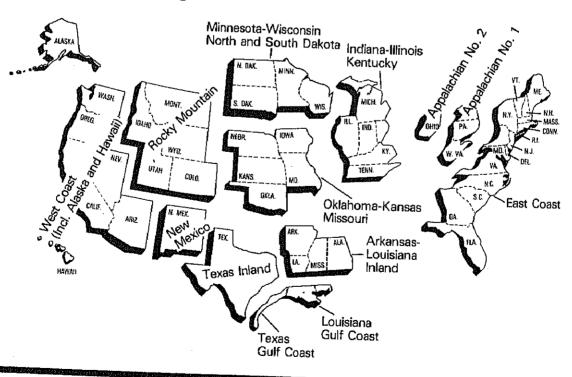
PAD District V

West Coast: The States of Washington, Oregon, Callfornia, Nevada, Arizona, Alaska, and Hawall.

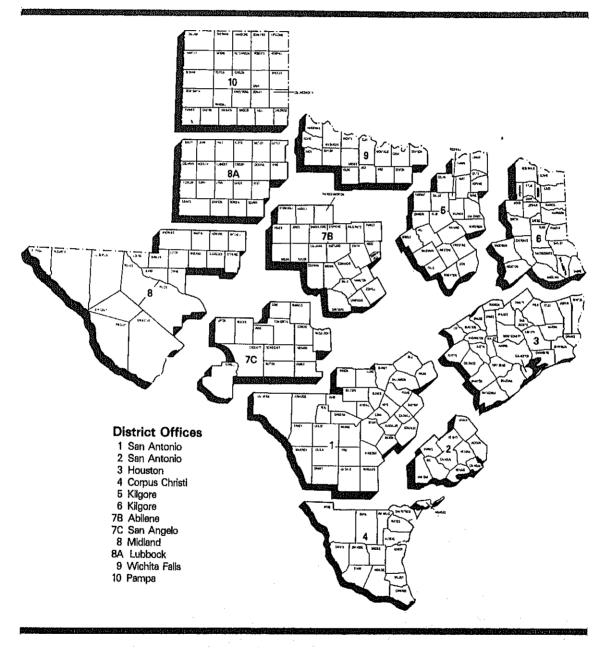
Petroleum Administration for Defense (PAD) Districts



Bureau of Mines Refining Districts

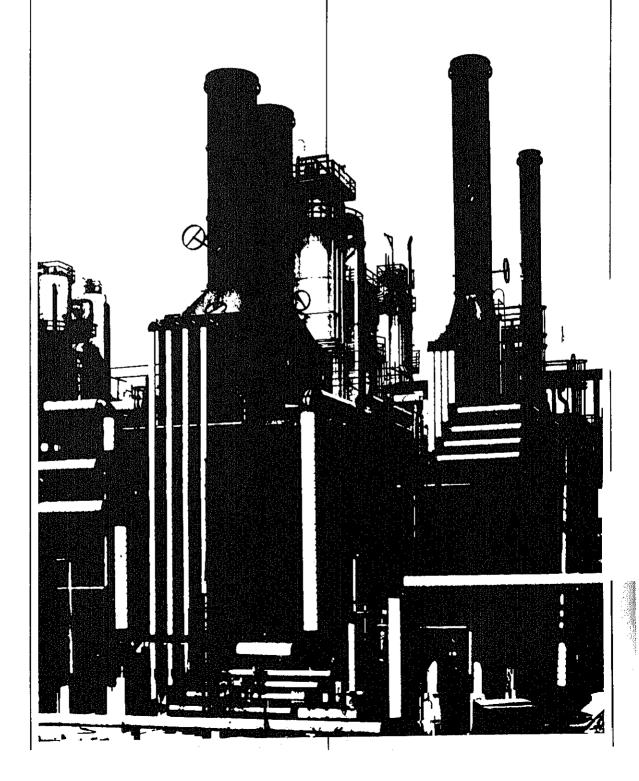


District Map Oil and Gas Division Railroad Commission of Texas





Explanatory Notes





Note 1: Data Collection Methodology

Background

Beginning in January 1983, the Energy Information Administration (EIA) unified its petroleum supply data collection activities into the Petroleum Supply Reporting System (PSRS). The PSRS represents a family of data collection survey forms, data processing systems and publication systems that have been consolidated to achieve comparability and consistency throughout. The primary focus of the consolidation has been to revise the weekly and monthly survey reporting forms to assure consistency in form layout, preparation instructions, and definitions. As a result, a new set of survey forms were implemented in January 1983. The following are the new form numbers and their corresponding predecessor forms:

New Form Number EIA-800	Name Weekly Refinery Re-	Old Form Number EIA-161
EIA-801	port Weekly Bulk Terml- nal Report	EIA-162
EIA-802	Weekly Product Pipe- line Report	EIA-163
EIA-803	Weekly Crude Oil Stocks Report	EIA-164
EIA-804	Weekly Imports Re-	EIA-165
EIA-805	Weekly Shipments- from Puerto Rico to the United States Report	_
EIA-810	Monthly Refinery Report	EIA-87
EIA-811	Monthly Bulk Termi- nal Report	EIA-88
EIA-812	Monthly Product Pipeline Report	EIA-89
EIA-813	Monthly Crude Oil Report	EIA-90
ERA-60	Monthly Imports Report	ERA-60
EIA-815	Monthly Shipments from Puerto Rico to the United States Report	FEA-P133- M-0
EIA-816	Monthly Natural Gas Liquids Report	EIA-64
EIA-817	Monthly Tanker and Barge Movement Report	EIA~170

Forms EIA-800 through 805 comprise the Weekly Petroleum Supply Reporting System (WPSRS). This system is designed to collect basic refinery operations and product stock data for major products on a weekly basis. Data from the WPSRS are published in the Weekly Petroleum Status Report (WPSR) and are also used to calculate the preliminary statistics in the "Summary Statistics" section of the Petroleum Supply Monthly (PSM). A description of the WPSRS survey forms follows in Note 1.1.

Forms EIA-810-813, 815-817 and ERA-60 comprise the Monthly Petroleum Supply Reporting System (MPSRS). These surveys collect detailed refinery operations data, refinery, bulk terminal and pipeline stocks data, crude oil and petroleum product imports data and movements of petroleum products and crude oil between PAD Districts data. These surveys are the primary source of data for the "Summary Statistics" and "Detailed Statistics" sections of the *PSM*. A description of MPSRS survey forms follows in Note 1.2.

Data are also obtained in magnetic tape form from the Bureau of the Census on a monthly basis. These tapes contain aggregated import and export statistics that are used in the preparation of the *PSM*. A description of the Census data follows in Note 1.3.

Note 1.1: Weekly Petroleum Supply Reporting System (WPSRS)

Background

The EIA first began publishing weekly petroleum supply statistics in April 1979 in response to the Iranian oil crisis. Initially, the published data were taken from the American Petroleum Institute (API) Weekly Statistical Bulletin. However, in January 1980 the EIA began to publish weekly statistics from its own surveys, with the exception of imports statistics which the EIA did not begin collecting until June 1980.

The weekly surveys collect data comparable to those collected on a monthly basis. Selected petroleum companies report weekly data to the EIA on crude oil and petroleum product stocks, refinery inputs and production, and crude oil and petroleum product imports. On Forms EIA-800 through EIA-803, companies report data on a custody basis. On the Form EIA-804, the importer of record reports each shipment entering the United States. On Form EIA-805, a company shipping unfinished oils and finished petroleum products into the United States from Puerto Rico reports each shipment. Current weekly data and the most recent monthly data are used to estimate the totals that are published in the Weekly Petroleum Status Report.

Sample Frame

The sample of companies that report weekly is selected from the universe of companies that report on the comparable monthly surveys. Sampled companies report data only for facilities in the 50 States and District of Columbia.

The sample for each survey is taken from the following universe:

EIA-800: Based on the EIA-810 universe, which includes all petroleum refineries in the United States and

its territories, industrial facilities that have crude oil distillation capacity and produce some refined petroleum products, and plants that produce finished motor gasoline through mechanical blending. The selected sample size is 215.

EIA-801: Based on the EIA-811 universe, which includes all bulk terminal facilities in the United States and its territories that have either a total bulk storage capacity of 50,000 barrels or more, or that receive petroleum products by tanker, barge, or pipeline. The selected sample size is 93.

EIA-802: Based on the EIA-812 universe, which includes all petroleum product pipeline companies in the United States and its territories that transport refined petroleum products, including interstate, intrastate and intracompany pipeline movements. Pipeline companies that transport only natural gas liquids are not included in the EIA-802 frame. Only those pipeline companies that transport products covered in the weekly survey are included. The selected sample size is 65.

EIA-803: Based on the EIA-813 universe, which consists of all companies which carry or store crude oil of 1,000 barrels or more in the 50 States, and the District of Columbia. Included are gathering and trunk pipeline companies (including interstate, intrastate, and intracompany pipelines), crude oil producers, terminal operators, storers of crude oil, and companies transporting Alaskan crude oil by water.

EIA-804: Based on the ERA-60 universe, which includes all importers of record of crude oil and petroleum products into the United States and Puerto Rico. The selected sample size is 65.

EIA-805: Based on the EIA-815 universe, which includes all shippers of unfinished oils and petroleum products into the United States from Puerto Rico. Four companies report.

Sampling Method

The cut-off method is the sampling procedure used for all weekly surveys except the EIA-802, which uses the monthly universe in its entirety. In the cut-off method, companies are ranked from largest to smallest on the basis of the quantities reported during some previous 12-month period. Companies are chosen for the sampling, beginning with the largest and adding companies until the total sample covers 90 percent of the total for the previous time period for each product published in the Weekly Petroleum Status Report.

Collection Methods

Data are collected by mail, mailgram, telephone, Telex, and Telefax on a weekly basis. The report period closes each Friday at 7 a.m. All canvassed firms and terminal operations companies must file by 5 p.m. on the following Monday.

Estimation and Imputation

After company reports have been checked and entered into the weekly data base, weekly totals for given products are estimated by using the following formula.

The total reported by all companies for the most recent month (M_i) is divided by the amount reported by the sample of companies for the most recent month (M_s) . The result is multiplied by the amount reported by the sample of companies for the current week (W_s) . The answer, W_t , is an estimate of the amount that would have been reported by all companies for the current week if all companies reported each week.

$$W_t = \frac{M_t}{M_s}(W_s)$$

This procedure is used to estimate total weekly inputs to refineries and production.

To estimate stocks of finished products, the preceding procedure is followed separately for refineries, bulk terminals, and pipelines. Total estimates are formed by summing over establishment types.

Weekly imports data are highly variable on a companyby-company basis or a week-by-week basis. Therefore, an exponentially smoothed ratio has been developed. The estimate of weekly imports is the sum of the smoothed ratio multiplied by the weekly values and estimates for shipments from Puerto Rico. Imports of other oils includes an adjustment from Census data for unlicensed products because of coverage differences between the monthly imports data and Census data.

Explicit imputation is done for companies which do not respond in a given week. The imputed values are exponentially smoothed means of recent reports from the specific company.

Response Rates

The response rate for the published estimates is usually between 95 and 98 percent.

Note 1.2: Monthly Petroleum Supply Reporting System (MPSRS)

Background

The MPSRS was implemented in January 1983 as the result of an extensive effort to integrate the collection and processing of petroleum supply data that have been collected on other survey forms for many years. The collection of monthly petroleum supply statistics began as early as 1918 when the Bureau of Mines (BOM) began collecting data on refinery operations and crude oil stocks and movements. The collection systems

were further expanded to include natural gas plant liquids production and storage in 1925, imports of crude oil and petroleum products and storage and movements of petroleum products in 1959, and tanker and barge movements of crude oil and petroleum products in 1964. Since their inception, each survey has undergone numerous changes, but the MPSRS is the first effort to make them all consistent and comparable.

Respondent Frame

EIA-810: All petroleum refineries and plants that produce finished motor gasoline through the mechanical blending of Ilquids which are operated or controlled in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, the Hawailan Foreign Trade Zone, and Guam. Approximately 313 respondents report on the EIA-810.

EIA-811: All bulk terminal facilities in the 50 States and the District of Columbia, Puerto Rico, and the Virgin islands that (a) have a total bulk storage capacity of 50,000 barrels or more and/or (b) receive petroleum products by tanker, barge, or pipeline, regardless of ownership of the material. Approximately 328 respondents report on the EIA-811.

EIA-812: All products pipeline companies that carry petroleum products (including interstate, intrastate and intracompany pipelines) in the 50 States and the District of Columbia. Approximately 94 respondents report on the EIA-812.

EIA-813: All companies which carry or store crude oil of 1,000 barrels or more in the 50 States, and the District of Columbia. Included are gathering and trunk pipeline companies (including interstate, intrastate, and intracompany pipelines), crude oil producers, terminal operators, storers of crude oil, and companies transporting Alaskan crude oil by water.

EIA-815: All licensed importers and importers of record shipping petroleum products from Puerto Rico into the 50 States and the District of Columbia.

Import data from the ERA-60 and EIA-815 are integrated into the import statistics reported in the PSM.

EIA-816: All operators of facilities designed to extract liquid hydrocarbons from natural gas stream (natural gas processing plants) or to separate a hydrocarbon stream into its component products, i.e., propane, butane, natural gasoline, etc. (fractionators). Approximately 990 respondents report on the EIA-816.

EIA-817: All known companies and plants that have custody of crude oil and petroleum products transported by tanker and barge between PAD Districts or between PAD Districts and the Panama Canal. There are about 50 respondents.

ERA-60: All licensed importers and importers of record importing crude oil and petroleum products into the

United States and Puerto Rico. The respondent universe consisted of approximately 1,100 firms as of July 31, 1982. However, only a selected 250 importers must report each month regardless of import activity. All others must report only for a month in which they actually had imports. The respondent universe for this survey is updated whenever an import license is granted by the Office of Oil imports of the ERA.

EIA utilizes a number of sources and methods to maintain the survey respondent lists. On a regular basis, survey managers review industry publications such as the Oil and Gas Journal and LP Gas Almanac for information on facilities or companies going into operation or closing down. These are augmented by articles in newspapers, letters from respondents indicating changes in status and information received from survey systems operated by other offices.

Periodically an extensive survey study is conducted to completely refresh the frames. This involves consolidating information from every known source including State agencies, federal agencies (e.g., EPA, Corps of Engineers, Census Bureau, etc.), and private industry directories. The effort also includes the evaluation of the impact of potential frame changes on the historical time series of data published from these respondents. The results of this frame study are usually implemented in January to provide a full year under the same frame.

Collection Methods

The data for all of the MPSRS surveys are collected monthly. Completed forms are required to be postmarked by the 20th day following the end of the report month, with the exception of the EIA-815 and ERA-60 which are due 15 work days following the end of the report month. Telephone follow-up calls are made to non-respondents prior to the publication deadline, for their data. An automated malling list is maintained and is used to monitor receipt of the forms.

Imputing Missing Data

imputation is performed only for nonresponding companies that submitted reports the previous month. For such companies, previous monthly values are used for current values. The previous month's ending stocks value is used for both the current month's beginning stocks and the current month's ending stocks. In the event that the previous month's data were estimated, the respondent is contacted and requested to submit estimates, if necessary, to be followed by submission of actual data. Data for nonrespondents on the EIA-815 and 817, and ERA-60 are not imputed.

Response Rates

As of the filing deadline, the response rates of the EIA-810 through EIA-813 respondents is over 90 per-

cent. The response rate for the EIA-816 is over 85 percent and for the EIA-817 it is 98 percent. All companies that have not responded are contacted by telephone. Although data are taken by telephone to expedite processing, a certified submission is still required. Names of companies that fall to file for 2 consecutive months are forwarded for further noncompliance action.

In July 1982, the ERA-60 survey had a response rate of 98 percent by the filing deadline. The universe was 1,100 firms at that time. (Because this is a dynamic survey, the universe is constantly changing.) Standard follow-up of nonrespondents is made to insure that all reports are received, since data are not imputed for nonrespondents. In addition, response is cross-checked with response on the Petroleum Licensing Decrementation System (PLDS), a listing of each month's importers. The response rate is generally 98 to 99 percent by the time the data are first published.

Note 1.3: Census Import (IM-145) and Export (EM-522 and EM-594) Data

Background

Each month the EIA purchases magnetic tapes of aggregated import and export statistics from the Bureau of the Census. These data provide the only source of export statistics and are used to augment the import data collected by the EIA. Export statistics and import data from the Census tapes on liquefied petroleum gases, bonded ships bunkers and military offshore use are published in the *PSM*.

Import Statistics (IM-145)

Coverage

The import statistics reflect both government and nongovernment imports of merchandise from foreign countries into the U.S. Customs territory (the 50 States, the District of Columbia, and Puerto Rico), without regard to whether or not a commercial transaction is involved. In general, the statistics record the physical movement of merchandise into the United States from foreign countries, with the exception of the following types of transactions that are excluded from the statistics:

- Merchandise in-transit through the United States, when documented with Customs as an in-transit movement.
- 2. Shipments from anywhere to U.S. possessions and shipments from U.S. possessions to the United States. (U.S. possessions include Puerto Rico, the Virgin Islands, Guam, and American Samoa.)
- 3. U.S. merchandise that was held in foreign countries by the U.S. Armed Forces and is returned to the United States for the use of the Armed Forces.

Source of Import Information

The official U.S. import statistics are compiled by the Bureau of the Census from copies of the import entry and warehouse withdrawal forms that importers are required by law to file with Customs officials (Customs Forms 7501, 7505, and 7506).

Imported petroleum is reported as *Imports for Consumption*. Imports for consumption are a combination of entries for immediate consumption and withdrawals from warehouses for consumption. With certain exceptions as indicated above, these data generally reflect the total of commodities entered into U.S. consumption channels.

Country and Area of Origin

The country reported in the statistics as the country of origin is defined as the country where the merchandise was grown, mined, or manufactured. In instances where the country of origin cannot be determined, the transactions are credited to the country of shipment.

Export Statistics (EM-522 and EM-594)

Coverage

The export statistics reflect both government and nongovernment exports of domestic and foreign merchandise from the U.S. Customs territory (the 50 States, the District of Columbia, and Puerto Rico) to foreign countries, without regard to whether or not the exportation involves a commercial transaction. In general, the statistics record the physical movement of merchandise out of the United States to foreign countries, with the exception of the following types of transactions:

- 1. All shipments from U.S. possessions, regardless of whether the shipments are sent to the United States, to other U.S. possessions, or to foreign countries.
- Merchandise shipped in transit through the United States from one foreign country to another, when documented as such with U.S. Customs.
- Bunker fuels and other supplies and equipment for use on departing vessels, planes, or other carriers engaged in foreign trade.

Source of Export Information

The official U.S. export statistics are compiled by the Bureau of the Census primarily from copies of Shipper's Export Declarations. Exporters are required to file Shipper's Export Declarations with Custom's officials. The only exceptions are those exporters who have been authorized to submit data directly to the Bureau of Census on magnetic tape, punched cards, or monthly Shipper's Summary Export Declarations.

Country and Area of Destination

The country of destination is defined as the country of ultimate destination or the country where the goods are to be consumed, further processed, or manufactured, as known to the shipper at the time of exportation. If the shipper does not know the country of ultimate destination, the shipment is credited to the last country to which the shipper knows that the merchandise will be shipped in the same form as it was when exported.

Note 2: Supply

The components of petroleum supply are field production, refinery production, imports, and stock withdrawal or addition:

Field Production is the sum of crude oil production (including lease condensate), natural gas processing plant production, and new supply (field production) of other liquids used by refinerles.

Crude oil production is estimated based on data received from State conservation and revenue agencies. For further explanation, see Explanatory Note 3.

Fleid production of natural gas plant liquids (NGPL), including finished petroleum products, is reported monthly on survey Form EIA-816, *Monthly Natural Gas Liquids Report*. Negative production will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month. For survey description and other detail, see Explanatory Note 1.2.

Refinery Production of LRGs, ethane, and finished petroleum products is reported monthly on survey Form EIA-810, Monthly Refinery Report. Published production of these products equals refinery production minus refinery input. Refinery production of unfinished oils and of motor and aviation gasoline blending components appears on a net basis under refinery input. Negative production will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month. It should also be noted that refineries do not export production of crude oil, natural gasoline, isopentane, unfractionated stream, plant condensate, or other hydrocarbons.

Imports of crude oil and petroleum products are reported monthly on Form ERA-60, Report of Oil Imports into the United States and Puerto Rico, and Form EIA-815, Shipments of Refined Products (Including Unfinished Oils) from Puerto Rico to the United States. In addition, the Census Bureau Tabulation IM-145 summarizes import data from Customs import declarations reported on Customs Forms 7501 and 7505. The most prominent difference between the EIA and Census systems appears in imports of liquefied petroleum gases

(LPG), where the Census data show a much higher level of imports than EIA data. This occurs because the ERA-60 respondent frame was built by monitoring importers of licensed products and LPGs are not licensed products. Therefore, respondents that import only LPGs have not been identified, and do not report these Imports to the Department of Energy. Since these importers are required to file form 7501 with the U.S. Customs Service, EIA obtains data on imports of LPGs from Census Tabulation IM-145. Additional data taken from the IM-145 are relatively small quantities of naphthaand kerosene-type jet fuels, distillate fuel olls, and residual fuel oils withdrawn from bonded storage for use in international trade and for military offshore use. Even though these duty-free fuels are stored on United States shores, they did not enter the United States for domestic consumption and therefore are not included in the ERA-60 reporting system.

Stock Withdrawai (+) or Addition (-) is calculated by subtracting stocks at the end of the month from stocks at the beginning of the same month. (Note: The beginning stocks of one month are equal to the ending stocks of the previous month.) A positive result (+) would represent a withdrawal from stocks and an increase in petroleum supplies distributed for domestic consumption. A negative result (-) would represent a buildup of stocks and a reduction in the amount of petroleum supplies distributed for domestic consumption. For a description of survey forms used to make stock withdrawai or addition calculations see Explanatory Note 5.

Unaccounted for Crude OII is a balancing item that represents the difference between crude oil supply and disposition.

Crude oil supply is the sum of field production, imports and stock withdrawals or additions. Crude oil disposition is the sum of exports, refinery input, losses and product supplied. Unaccounted-for crude oil is calculated by subtracting crude oil supplies from crude oil disposition. A positive result indicates that refiners and exporters reported use of more crude oil than was reported to have been available to them. (This occurs, for example, when imports are undercounted due to late reporting or other problems.) A negative result would indicate that more crude oil was reported to have been supplied to refiners and exporters than they reported used.

Note 3: Domestic Crude Oil Production

Data for the Crude Oil Production System (COPS) are reported to the Department of Energy by each of the State conservation agencies, which collect crude oil production values for tax purposes. The U.S. Geological Survey reports the volume of crude oil that is produced offshore in Federally-owned waters. With the exception of ten State conservation agencies, all of these reports are received monthly. After each calendar year, these monthly numbers are updated using the annual reports

from the State conservation agencies and the U.S. Geological Survey. The ten States that do not report monthly values are Indiana, Kentucky, Missouri, Arkansas, Utah, New York, Ohio, Pennsylvania, West Virginia, and Wyoming. Monthly values are estimated for these States using the individual linear trends of their historical annual crude oil production values.

There is a time lag of approximately 4 months between the end of the reporting month and the time when the monthly COPS information becomes available. Table 11 of this publication provides information on crude oil production for the most recent month for which COPS values are available. In order to present more timely crude oil production values, the EIA's Dallas Field Office prepares a series of State level estimates which are based on historical production patterns and are summed to obtain the monthly crude oil production values shown in the summary statistics of this publication.

The individual State level estimates are either exponential curve fitted projections based on recent data or are constant level projections based on the average production rate during a recent time period. In some cases, adjustments are made to these estimates based on additional information on expected changes in production rates supplied by a State agency, a trade association, or an individual field operator.

Note 4: Disposition

The components of petroleum disposition are crude oil losses, refinery inputs, exports, and products supplied for domestic consumption.

Crude Oil Losses is the sum of crude oil losses at refineries. Crude oil losses at refineries are reported on Form EIA-810, Refinery Report.

Refinery inputs of crude oil, natural gas plant liquids, and other liquids are reported monthly on survey Form EIA-810, Monthly Refinery Report. Published inputs of unfinished oils and of motor and aviation gasoline blending components equal refinery input minus refinery output. Refinery inputs of finished petroleum products are reported on a net basis under refinery production.

Exports of crude oil and petroleum products are compiled from Census Bureau tabulations EM-522 and EM-594. Exports include crude oil shipments to Puerto Rico, the Virgin Islands, and the Hawailan Foreign Trade Zone, which are obtained from refinery receipts reported on Form EIA-810, by refineries located in these places.

Product supplied for each product is calculated by summing field production plus refinery production, plus imports, plus stock withdrawal or minus stock addition, minus crude oil losses (plus net receipts when calculated on a PAD District basis), minus re-

finery input, minus exports. This formula ensures that total disposition equals total supply.

Products supplied indicates those quantities of petroleum products supplied for domestic consumption. Occasionally, the result for a product is negative because total disposition of that product exceeds total supply. Negative product supplied may occur for a number of reasons: (1) product reclassification has not been reported, (2) data were misreported or reported late, (3) in the case of calculations on a PAD District basis, the figure for net receipts was inaccurate because the coverage of interdistrict movements was incomplete.

Product supplied for crude oil is the sum of crude oil burned on leases and by pipelines as fuel oil. These data are reported on EIA-813, *Monthly Crude Oil Report*. Prior to January 1983, crude oil burned on leases and by pipelines as fuel oil were reported as either distillate or residual fuel oil and included in product supplied for these products.

Note 5: Stocks

Primary stocks of crude oil are the sum of ending stocks reported monthly on Form EIA-810, Monthly Refinery Report, and on Form EIA-813, Monthly Crude Oil Report. Crude oil held in the Strategic Petroleum Reserve is included unless otherwise noted. Alaskan crude oil in transit is also included. Stocks of crude oil are also reported weekly on Form EIA-800, Weekly Refinery Report, and on Form EIA-803, Weekly Crude Oll Stocks Report. Primary stocks of petroleum products are summed from data reported on Form EIA-816, Monthly Natural Gas Liquids Report, Form EIA-811, Monthly Bulk Terminal Report, and on Form EIA-812, Monthly Product Pipeline Report. Primary stocks of petroleum products do not include either secondary stocks held by dealers and jobbers or stocks held by consumers. Petroleum product stocks are also reported weekly on Form EIA-800, Weekly Refinery Report, Form EIA-801, Weekly Bulk Terminal Report, and Form EIA-802, Weekly Crude Oil Stocks Report. For survey descriptions and other details, see Explanatory Notes 1.1 - 1.3.

Note 6: Average Stock Levels

The graphs displaying monthly stock levels of crude oil, motor gasoline, distillate fuel oil, residual fuel oil, ilquefied petroleum gases, and other products provide the user with recent data as well as a summary of data from January through December or from July through June for the most recent 3-year period. This summary takes the form of an average range that includes seasonal variation determined from a longer time period. The

average range represents the historical pattern; it is not a forecast.

These curves are updated semiannually (on Arpil 1 and October 1), by basing the average ranges on a more recent time period. Each 3-year data series is adjusted by dropping the first 6 months and including the most recent 6 months.

For each data series, the monthly seasonal factors are estimated by means of a seasonal adjustment technique developed at the Bureau of the Census (Census X-11). The seasonal factors are assumed to be stable (i.e., unchanging from year to year) and additive. The series is deseasonalized by subtracting the seasonal factor for the appropriate month from the reported stock levels. The intent of deseasonalization is to remove only seasonal variation from the data. Thus, a deseasonalized series would contain the same trends and irregularities as the original data. For crude oil stocks, the derived seasonal factors are very small relative to crude oil stock levels. Therefore, the seasonal factors for distillate fuel oil, residual fuel oil, liquefled petroleum gases and other products are derived using monthly data from 1974-1980. For motor gasoline, the seasonal factors are based on monthly data from 1975, 1976, 1978, 1979 and 1980. In 1977, there was virtually no seasonal behavior in motor gasoline stocks. Monthly stock levels stayed at the same high level for the entire year. In addition, the seasonal patterns in 1973, 1974 and 1977 were not representative of the recent past, and these years were not used in the determination of seasonal patterns for motor gasoline stocks. Because of these differences in the year-to-year seasonal fluctuation of motor gasoline, the evidence for the Illustrated seasonal patterns for crude oil, distillate fuel oil, residual fuel oil, liquefied petroleum gases and other products is stronger than is the evidence for the Illustrated seasonal patterns for motor gasoline.

In some cases, these seasonal patterns do not show a smooth transition from month to month. For example, the June factor for residual fuel oil is slightly less than the May and July values, making a bump in the curve. As there is little difference in the magnitude of these seasonal factors, it is possible that this variation is due to the small number of observations (7 years) and the data variability.

After seasonal factors are derived, the most recent 3-year period (from January through December or from July through June) is deseasonalized. The average of the deseasonalized 36-month series determines the midpoint of the deseasonalized average band. The standard error of the deseasonalized 36 months is calculated adjusting for extreme data points. The width of the average range is twice this standard error.

The upper curve of the average range is defined as the average plus the seasonal factors plus the standard error. The lower curve is defined as the average plus the seasonal factors minus the standard error.

Note 7: Movements

Movements of crude oil between PAD Districts are reported on Form EIA-817, Monthly Tanker and Barge Movement Report, and on Form EIA-813, Monthly Crude Oil Report. Petroleum product movements are reported on Forms EIA-817 and EIA-812, Monthly Product Pipeline Report. Net receipts is the difference between total movements into and total movements out of each PAD District by pipeline, tanker, and barge. For survey descriptions and other detail, see Explanatory Note 1.2.

Note 8: Preliminary Monthly Statistics

Weekly data (Forms EIA-800, 801, 802, 803, and 804) are used to estimate the most recent monthly values for the Summary Statistics section. Since some of the weekly reporting periods overlap two adjacent months, it is necessary to use weighting factors in the calculation of the monthly values.

To estimate crude oil and petroleum product imports, crude oil input to refineries and production of petroleum products for a specific month, the weekly estimates are weighted by the number of days of that month included in each week, then summed.

End-of-month stock levels of crude oil and the major products (motor gasoline, distillate fuel oil, and residual fuel oil) are calculated in a similar manner, but use only the two weekly reporting periods that cover the end-of-week stocks before and after the end of the month. The end-of-month stock level is calculated by first calculating the stock change between the two weeks. The daily stock change between the two end-of-week stock levels is then calculated. This number is multiplied by the weighting factor of the earlier of the two weeks (the week that covers the last day of the month of interest). This change is added to the earlier of the two end-of-week stock levels to estimate the end-of-month stock level.

Preliminary monthly estimates of domestic crude oil production are calculated as described in Explanatory Note 3.

Note 9: Notes on Tables

Note 9.1 Crude Oil and Petroleum Products Overview statistics on the referenced line appear in Table 4 of the Detailed Statistics, except where noted.

• Crude Oll and Petroleum Products Stock Withdrawal (+) or Addition (-), Petroleum Products Supplied, Total Imports, Crude Oll Imports, Total Exports, and Crude Oll Exports appear as labeled in Table 4. Total Production and Crude Oll Production appear under Field Production in Table 4.

- Natural Gas Plant Production is the sum of Natural Gas Liquids and Finished Petroleum Products Field Production in Table 4.
- Petroleum Products Imports Is the sum of Natural Gas Liquids and LRGs, Other Liquids, and Finished Petroleum Products Imports in Table 4.
- Total Crude Oil and Petroleum Products Ending Stocks appear in thousands of barrels in Table 2.

Note 9.2 Crude Oil Supply and Disposition statistics on the referenced line appear in Table 1 of the Detailed Statistics, except where noted.

- Total Domestic Field Production, Alaskan Field Production, SPR Imports, Other Imports (synonymous with Imports Gross Excl. SPR), SPR and Other Primary Stocks Withdrawal (+) or Addition (-), Unaccounted For Crude Oil, Refinery Inputs, and Exports appear as labeled in Table 1.
- Crude losses and Product Supplied appear as labeled in Table 4.
- SPR Ending Stocks and Other Primary Ending Stocks (synonymous with stocks excluding SPR) appear in thousands of barrels in Table 1.
- Total Crude Oil Ending Stocks appear in thousands of barrels in Table 2.
- Total Imports appear in Table 4.

Note 9.3 Finished Motor Gasoline Supply and Disposition statistics on the referenced line appear in Table 4 of the Detailed Statistics, except where noted.

- Total Production is the sum of Field Production and Refinery Production in Table 4.
- Imports, Stock Withdrawal (+) or Addition (-), Exports, and Product Supplied appear as labeled in Table 4.
- Unleaded Percent of Total Product Supplied represents the ratio of finished unleaded motor gasoline product supplied to total finished motor gasoline product supplied, multiplied by 100 and rounded to the nearest tenth.
- Ending Stocks appear in thousands of barrels in Table 2,

Note 9.4 Distillate and Residual Fuel Oil Supply and Disposition statistics on the referenced lines appear in Table 4 of the Detailed Statistics, except where noted.

- Total Production is the sum of Field Production and Refinery Production in Table 4.
- Imports, Stock Withdrawal (+) or Addition (-), Exports, and Product Supplied appear as labeled in Table 4.

• Ending Stocks appear in thousands of barrels in Table 2.

Note 9.5 Liquefied Petroleum Gases Supply and Disposition statistics represent the aggregation of statistics on ethane, propane, butane, butane-propane mixtures, ethane-propane mixtures, and isobutane. The statistics on the referenced line appear in Table 4 of the Detailed Statistics, except where noted.

- Total Production is the sum of Field Production and Refinery Production in Table 4.
- Imports, Stocks Withdrawal (+) or Addition (-), Refinery Inputs, Exports, and Product Supplied appear as labeled in Table 4.
- Ending stocks appear in thousands of barrels in Table 2.

Note 9.6 Other Petroleum Products Supply and Disposition statistics represent the aggregation of statistics on natural gasoline, isopentane, unfractionated stream, plant condensate, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, and residual fuel oil. The statistics on the referenced line are aggregated from Table 4 of the Detalled Statistics, except where noted.

- Total Production is the aggregated sum of Field Production and Refinery Production in Table 4.
- Imports, Stock Withdrawal (+) or Addition (-), Refinery Inputs, Exports, and Product Supplied are aggregated from Table 4.
- Ending stocks are aggregated from ending stocks in thousands of barrels in Table 2.

Note 9.7 Table 1. U.S. Petroleum Balance

- Lines (1) through (3): Crude oil (including lease condensate) production for Alaska, Lower 48 States, and Total U.S. are calculated by calling the conservation agency in Alaska for Alaskan crude oil production during the month, estimating crude oil production in the United States (see Explanatory Note 3), and taking the difference to equal production in the Lower 48 States.
- Line (5): SPR Imports are reported on Survey Form ERA-60.
- Line (12): Total Other Sources equals crude oil stock withdrawal (+) or addition (-) plus unaccounted for crude oil minus crude losses in Table 2.
- Line (14): Natural gas plant liquids (NGPL) *Production* equals field production of natural gas liquids (NGL) plus field production of finished petroleum products in Table 2.
- Line (15): NGPL imports equals the sum of the im-

ports of natural gasoline and isopentane, unfractionated stream, and plant condensate imports in Table 2.

- Line (16): NGPL Stock Withdrawal (+) or Addition (-) is equal to the sum of stock withdrawal (+) or addition (-) of natural gasoline and isopentane, unfractionated stream, and plant condensate in Table 2.
- Line (17) equals the sum of lines (14), (15), and (16).
- Line (18): Unfinished oils and gasoline blending components Stock Withdrawal (+) or Addition (-) equals stock withdrawal (+) or addition (-) for other hydrocarbons and alcohol, for unfinished oils, motor gasoline blending components, and aviation gasoline blending components.
- Line (20): Other Hydrocarbons and Alcohol New Supply equals the field production of same in Table 2.
- Line (21): Refinery Processing Gain is a balancing item equal to total refinery production minus total refinery input in Table 2.
- Line (23): Total Other Liquids equals the sum of lines (18) through (22).
- Line (24): Total Production of Products equals crude oil input to refineries plus field production of NGPL and finished petroleum products; plus imports of natural gasoline and isopentane, unfractionated stream, and plant condensate; plus stock withdrawal (+) or addition (-) of natural gasoline and isopentane, unfractionated stream, and plant condensate; plus stock withdrawal (+) or addition (-) of other hydrocarbons and alcohol, unfinished oils, aviation gasoline blending components, and motor gasoline blending components; plus imports of unfinished oils, aviation gasoline blending components; plus field production of other hydrocarbons and alcohol; plus total refinery production; minus total refinery input; plus crude oil product supplied in Table 2.
- Line (25): Gross Imports of Refined Products equals imports of LPG plus Imports of finished petroleum products in Table 2.
- Line (26): Exports of Refined Products equals exports of LPG plus exports of finished petroleum products in Table 2.
- Line (27): Net Imports of Refined Products equals the difference between lines (25) and (26).

- Line (28): Total New Supply of Products equals crude oil input to refineries plus field production of NGPL and finished petroleum products; plus imports of natural gasoline and isopentane, unfractionated stream, and plant condensate; plus stock withdrawal (+) or addition (-) of natural gasoline and isopentane, unfractionated stream, and plant condensate; plus stock withdrawal (+) or addition (-) of other hydrocarbons and alcohol, unfinished oils, aviation gasoline blending components, and motor gasoline blending components; plus imports of unfinished oils, aviation gasoline blending components, and motor gasoline blending components; plus field production of other hydrocarbons and alcohol; plus total refinery production; minus total refinery input; minus crude oil product supplied plus imports of LPG and finished petroleum products; minus exports of LPG and finished petroleum products in Table 2.
- Line (29): Refined Products Stocks Withdrawal (+) or Addition (-) equals the sum of stock withdrawal (+) or addition (-) for LPG and finished petroleum products in Table 2.
- Line (30): Total Petroleum Products Supplied for Domestic Use equals total products supplied in Table 2.
- Lines (31) through (35) equal the respective products supplied in Table 2.
- Line (36): Other Products Supplied equals the sum of natural gasoline and isopentane, unfractionated stream, plant condensate, aviation gasoline, naphtha < 400 Deg. F for petrochemical feedstock use, other oils > 400 Deg. F. for petrochemical feedstock use, special naphthas, lubricants, waxes, coke, asphalt, road oil, still gas, unfinished oils, motor gasoline blending components, aviation gasoline blending components and miscellaneous products supplied in Table 2.
- Line (37): Total Product Supplied is equal to total products supplied in Table 2.
- The sum of lines (38) and (39), stocks of *Crude Oil* and *Lease Condensate (Excluding SPR)* and stocks held by the *Strategic Petroleum Reserve*, equals ending stocks of crude oil in Table 2. SPR stocks are reported on Form EIA-813.
- Line (43): stocks of *Refined Products*, equals the sum of LPG and finished petroleum product stocks in Table 2.

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